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BLINDNESS AND THE VINTAGE YEARS

An Assessment of the Unmet Needs of the Aged Blind Population of
New Jersey



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A special word of gratitude is offered to those visually handicapped persons who provided the information upon which this report is based.

TABLE OF CONTENTS

	<u>PAGE</u>
Introduction.....	1
Background and History of the Project.....	3
Charts:	
I. Number of males and females at each age level...	11
II. Percentage living in Urban, Suburban, and Rural settings.....	12
III. Percentage in each vision group.....	13
Summary:	
Health.....	15
Housing.....	19
Income.....	21
Occupations.....	24
Social Participation.....	26
Commentary.....	30
Recommendations.....	32
Appendix I - Questionnaire.....	A1
Appendix II:	
(a) Percentage of "No" responses related to age.....	A16
(b) Percentage of "No" responses by age groups to selected questions.....	A23
(c) Percentage of "No" responses related to type of community, age of loss of vision, amount of vision.....	A34
Appendix III - Numbers for various groupings.....	A42

STUDY OF THE GERIATRIC BLIND IN NEW JERSEY

Introduction

In recent decades there has been a major increase in the number and proportion of older people in the population. The problems of accommodating the aged in society have been intensified by urbanization and industrialization so that, regardless of blindness or other physical difficulties, numbers of older people tend to have insufficient income to provide needed care and other services; tend to be lonely and lacking in supportive family relationships, and tend to live in poor or grossly inadequate housing. Health and handicapping conditions intensify the problems of the elderly as do the inflationary economic conditions of the past few years.

Writing in 1964, Donahue and MacFarland (1) said:

"Each year there is an average net increase of 426,000 persons in the over-65 age group. Today there already are over 17 1/2 million in this segment of the population. It is projected that by the year 2000 there will be 30 million and, should modern medicine find the cure for cancer, heart disease and arteriosclerosis, the number could be radically revised upward.

"Of even greater portent for planners than the increase in the total group aged 65 and over is the almost incredible

change in the number of persons who are living to be 85 or more years old. Since 1920 their numbers have increased 920 per cent. Today there are over a million in this age group."

For this study we take the estimate that there are about 400,000 blind persons in the United States and all studies (2) (3) (4) (5) indicate that at least half of these are over age 60. Donahue and MacFarland frankly state that "proportionately little has been done for the largest group of clients we purport to serve." (ibid.) Dr. Robert Scott in his book "The Making of Blind Men" has made the same point in even greater detail.

Because blindness often results from other serious health problems, older blind people are probably troubled by more health problems than sighted people of the same age. The difficulty of maintaining employment when both old and blind makes it likely that the income of the elderly blind person is less than the income of the elderly sighted. Mobility problems are likely to make the blind persons more isolated, more dependent, and therefore more lonely with many usual sources of recreation or leisure time activity closed to them. Housing problems are increased by the fact that much housing available to the sighted elderly is less suitable or not available for those without vision, particularly where the older blind person by circumstance must live alone.

Background and History of the Project

"The New Jersey Commission for the Blind and Visually Impaired was established by law approximately sixty years ago to minister to the needs of the blind residents of this State. The Commission register has grown from 1500 in 1910 to more than 10,000 today. More than half of these registrants are over sixty. The agency service to the elderly segment of its clientele has included eye care, when requested by clients or ophthalmologists, and home instruction for personal adjustment and in activities of daily living or occupation for idle hours. Insofar as time and staff have been available, assistance has been given in case situations, usually emergency in nature, involved with problems of poverty, health care or inadequate housing. The expansion of vocational rehabilitation services has made it possible to aid some older blind persons in the areas of self-care and employment. The rapid increase in New Jersey's population combined with the growth in the proportionate number of blind people in the upper age brackets results in a decrease in the available service to older blind people because of the limited number of field staff If the aged blind residents of New Jersey are to have the opportunity to express their needs and to participate in planning for appropriate and

satisfying ways of meeting their needs, it is essential that they be confronted and hears."

These were the sentiments of a special staff committee, appointed by the Commission's Director to study the needs of aging blind⁽⁶⁾ persons in the State. In the spring of 1969, the committee developed a plan for contacting and hearing elderly blind persons in the State. To implement this plan a request was made to The Seeing Eye, Inc., for funds to support the project. These funds were granted and the following is a report of that project and its findings with expressions of gratitude to The Seeing Eye, Inc. for making the study and resulting report possible.

The project had the following objectives:

- (1) Prepare an instrument which would have as its objective determining the needs of the aged blind in the State.
- (2) Use the interview instrument in personal visits to a sampling of approximately 1,000 persons from the geriatric blind population.
- (3) Having collected and analyzed the data, the committee hoped to be able to determine the areas of greatest need and make recommendations for the expansion and modification of existing programs, or the establishment of new programs to meet these needs within the

New Jersey Commission for the Blind and Visually
Impaired and the community at large.

The interview instrument was prepared with the help of consultants at the New York regional office of the Social and Rehabilitation Services of H.E.W. including Mrs. Thelma Schmones, Associate Regional Representative of R.S.A., Miss Eleanor Morris, Regional Commissioner of the Division on Aging. The questionnaire was designed so that a "No" response would be indicative of a need. Mr. Frank Maier, Senior Statistician in the New Jersey Division of Public Welfare reviewed the instrument with the objective of insuring its compatability with computer programming. The interviewers were six college students with background, education, and interest in the field of social work; they were trained in the use of the interview instrument and in interviewing techniques, and were oriented to agency services, to blindness, and to problems of aging. Obviously, they were not "experts" and yet it was felt that they could be responsive and unprejudiced.

The Study population could have included 3,637 blind clients 60 years of age or over who were registered with the agency prior to January 1969 and residing in New Jersey; however, clients in public institutions were excluded from the Study population as having needs which would probably differ from the rest of the clients and deserving a separate study. For this exclusion there

is ample precedent. A national survey of the economics of the aged made by the Institute of Industrial Relations, University of California (7), and the study of health needs made by the National Opinion Research Center, University of Chicago (8), both omitted the institutionalized. In commenting on this, the author of the National Opinion Research Center report says that 3 to 5 per cent of this age group in the United States are estimated to be in institutions; she adds that exclusion of the institutional population from household surveys is the usual practice in this country and is not unique to surveys of the aged.

Letters were sent to all 3,637 elderly blind people on the register informing them that they might be visited during the summer of 1969 and asking for their cooperation in being interviewed.

By the end of August, terminal date for employment of the interviewers, 736 elderly blind persons had been interviewed. From the total sample, 1,043 clients were not visited because of lack of time. The remaining 1,860 could not be interviewed for some of the following reasons: 514 were deceased; 901 could not be located or had moved; 306 were not at home when the interviewer called; 84 were ill or unable to respond to the interview; 47 refused to be interviewed and 8 proved inappropriate for interview for other reasons.

The 736 interviews were coded and sent to data processing to obtain a simple count of yes-no responses. The items of the interview, with percentage of "yes," "no," and blank responses make up Appendix I and commentary on it forms the next section of this report.

Meanwhile, roughly fifty per cent of those interviewed were found to need some service and were referred to the appropriate department of the Commission for those services. Also, letters were sent to those who could not be interviewed because of lack of time or because they were ill or not at home when the interviewer called; responses to these letters disclosed additional needs for service which were also referred. Thus a major purpose of the Study was promptly served in that the needs of this group were disclosed and all possible service was given.

In several other ways, however, the project suffered some delays. The staff person responsible for the project, Mrs. Kathleen Borkowski, left the agency. There were delays in obtaining consultant assistance in analysis of the data, and because of an emergency welfare program reorganization, the services of the State computer were not available, notwithstanding previous assurances. At this time, the special committee enlisted the services of Mrs. Mary K. Bauman, Executive Director of Personnel Research Center and it was agreed that the responses should be studied in relationship to: sex, age of respondent,

age of loss of vision, whether the client lived in urban, suburban, or rural setting, and amount of vision at last ophthalmological record. It was also agreed that there should be a study of the possible relationships between answers to many of the questions. Since it was impossible to obtain computer service for these analyses, they had to be done by Keysort card and some statistical studies had to be omitted. However, all this mass of data has been translated into percentages, the pages of information have been studied by the committee in consultation with Mrs. Bauman, and the resulting findings are presented in the second section of this report. The data itself makes up Appendix II.

It cannot be assumed that the findings are relevant to other areas of the country since New Jersey is unique in some respects, notably:

New Jersey is endowed with a great number and diversity of commercial and industrial firms and consistently enjoys a relatively high rate of employment. 1970 per capita income figures are \$4,598 for New Jersey as against a national average of \$3,921.⁽⁹⁾ This comparative wealth of employment opportunities no doubt has a bearing on some of the data. For example, although there are no statistics for comparative purposes, it is surprising to find that 80 per cent of the respondents were remunera-

tively employed at one time or another; that most expressed satisfaction with their financial resources, housing, etc., that only 22 per cent were receiving any type of public assistance. In addition, New Jersey is a high Social Security recipient State which tends to minimize the numbers requiring Aid to the Needy Blind.

Although it ranks forty-sixth in size among the States, New Jersey is eighth in population.⁽¹⁰⁾ It is the most densely populated State in the United States with 953 people per square mile compared with a national average of 57. 91 per cent of the people interviewed were identified as living in urban or suburban settings. Many terms are relevant and when descriptions such as "geographical isolation," "lack of transportation" or "inaccessibility of facilities" are used it would usually mean that a car would be necessary and that the trip would generally require less than an hour's time.

The brief final section of this report summarizes the recommendations of the committee resulting from the entire complex of information available. The study makes no pretensions that its findings are definitive. It presents them as being indicative and relevant to the group that was visited. Although the committee extracted a great deal of information

from this data, a wealth of material remains and it is hoped that it will be helpful to students, researchers and planners working on related studies.

CHART I

NUMBER OF MALES AND FEMALES AT EACH AGE LEVEL

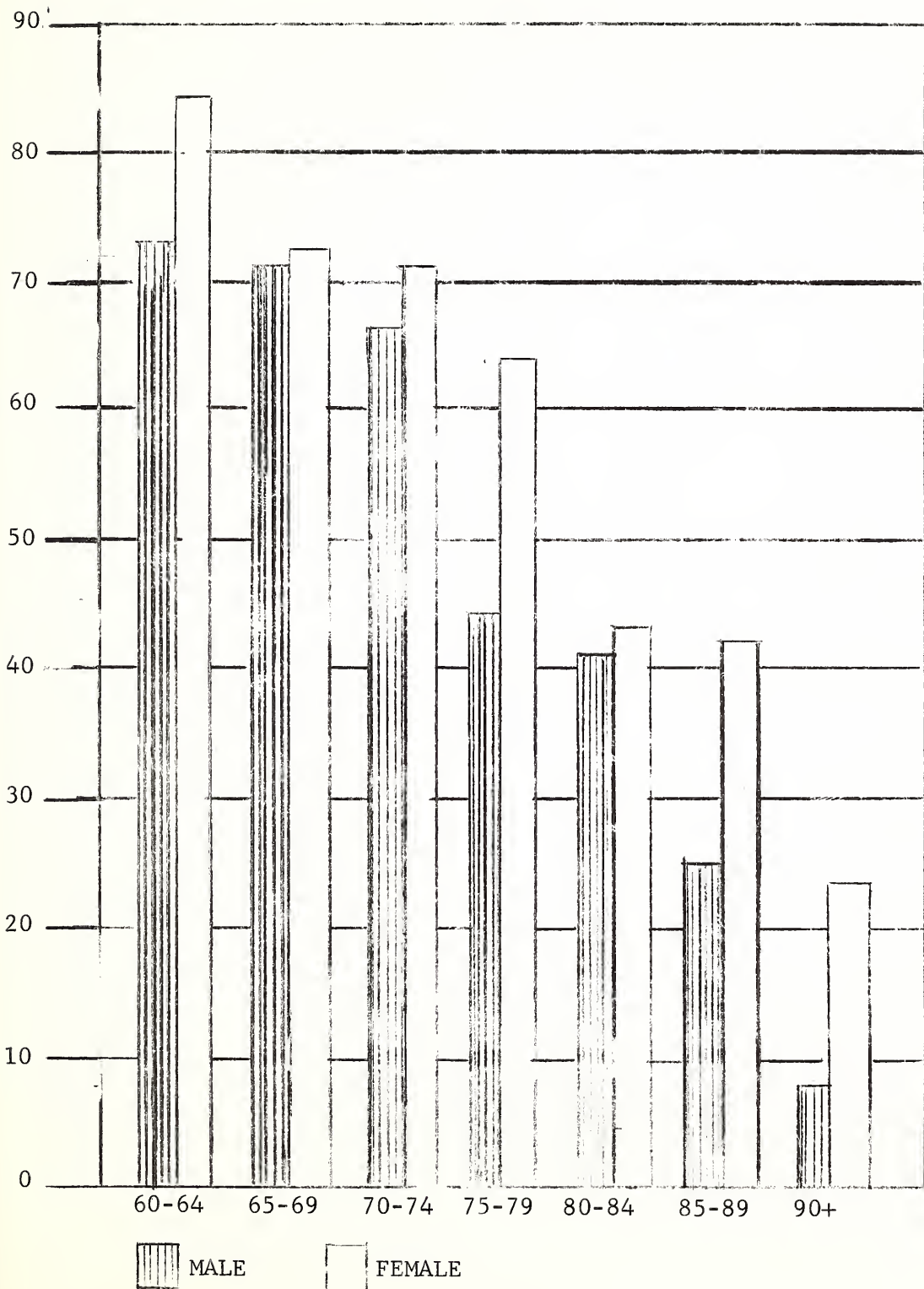


CHART II

PERCENTAGE LIVING IN URBAN, SUBURBAN, AND RURAL SETTINGS

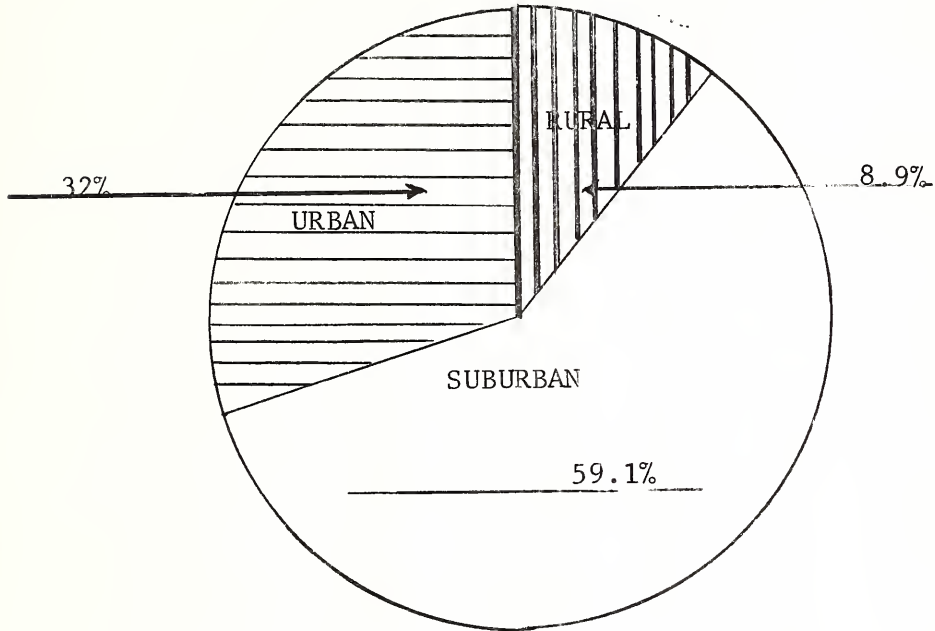
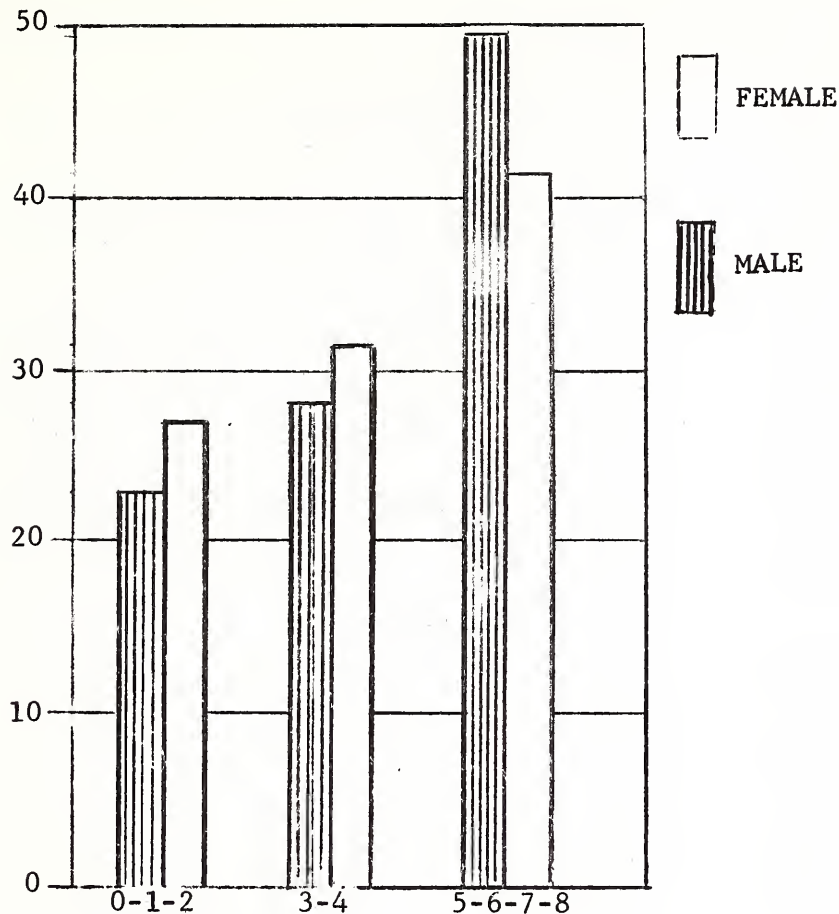


CHART III - PERCENTAGE IN EACH VISION GROUP

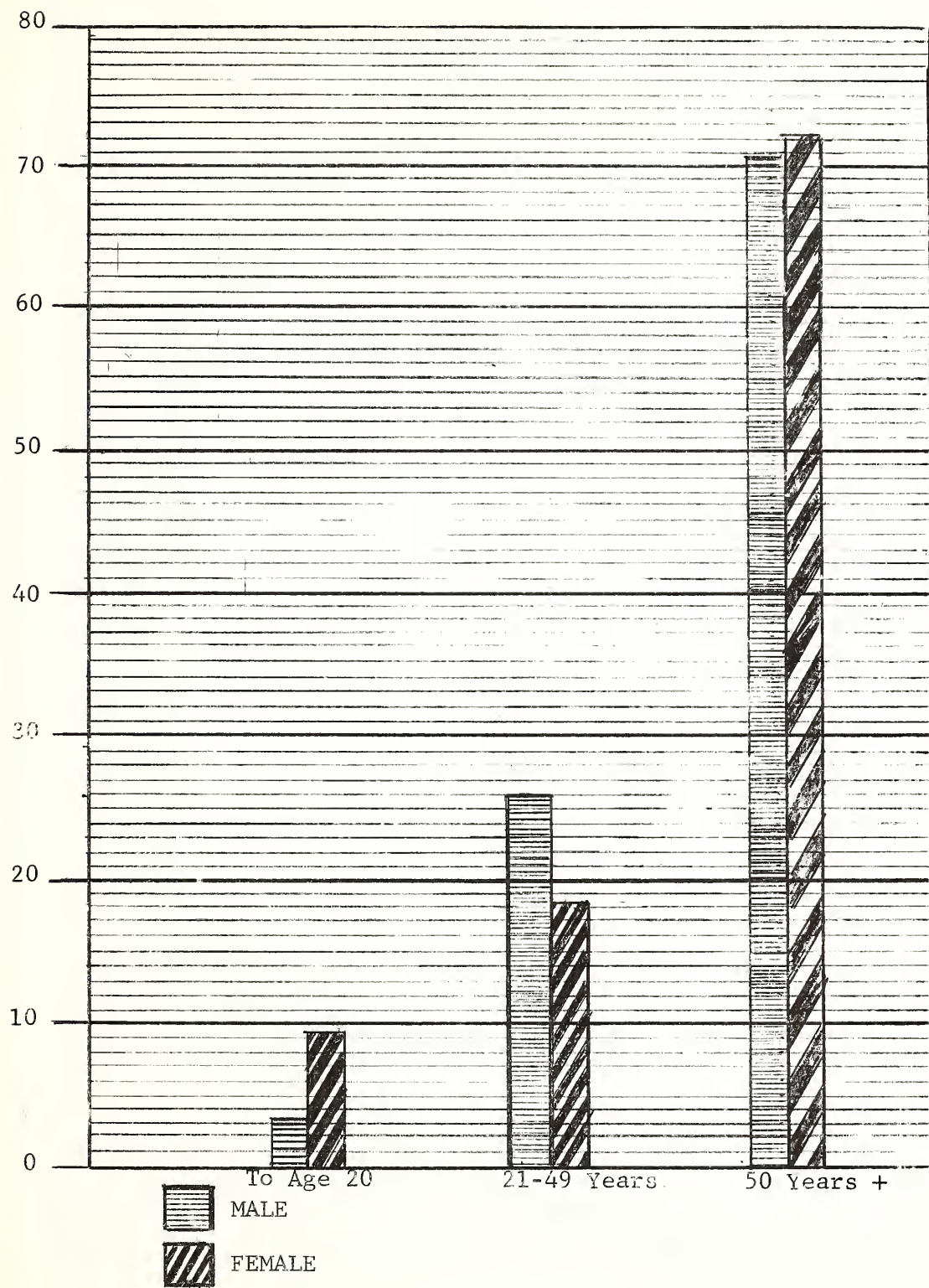


***VISION GROUP:**

- 0 - No light perception.
- 1 - Light perception.
- 2 - Light projection.
- 3 - Motion or form perception, but visual acuity less than 5/200.
- 4 - 5/200 up to but not including 10/200.
- 5 - 10/200 up to but not including 20/200.
- 6 - 20/200.
- 7 - Better than 20/200, but field restricted to 20° or less.
- 8 - Unable to determine exact degree of vision but presumed within the definition of blindness.

* - Adapted from classification established by Model Reporting Area for Blindness, U. S. Department of Health, Education, and Welfare.

CHART IV - PERCENTAGE AT EACH AGE AT LOSS OF VISION



SUMMARY

Health

As one might expect many of the more serious problems of this geriatric group lay in the area of health.

25% of the people interviewed said they were not feeling well on the day of the interview and 33% did not regard themselves as healthy. 55% were using some kind of medication.

It was no surprise to find a high incidence of various diseases and health problems. The following (numbers and percentages) will bring into focus the range of health problems encountered in this group of 736 blind senior citizens:

- 144 (20%) had diabetes
- 143 (20%) had heart conditions
- 169 (23%) needed dental care
- 194 (26%) had abnormal blood pressure
- 254 (34%) had foot trouble
- 253 (34%) had hearing problems

Nearly 80% of the group reported that they were under the care of a physician or clinic for general health care; however, about 18% said they could not meet the financial demands of medical care and 15% said they could not afford dental care. Getting out for medical care was also a serious problem since 60% could not travel alone to the clinic or doctor and 20% did not have needed transportation. For 20% the problem was

isolation since they reported they would have no one to care for them if sick at home.

92% reported that there was a general hospital within a reasonable distance of their home. Lack of information was a major problem, however, since 50% did not know the health facilities and services available in their communities. 30% did not understand the benefits available under Medicaid, and 50% were not familiar with the Medical Aid to the Aged program.

Studying the interrelationship of various characteristics brought out a number of interesting points.

From 70% to 80% of those who said that, on the day of the interview, they did not feel well also regarded themselves as generally in poor health. Both men and women living in rural settings reported not feeling well with much less frequency than did the city dwellers. Indeed there is a trend for the city dweller to be well least often, the suburban dweller a little more frequently, and the rural dweller to be well in 85% to 90% of the cases. There is also a general trend for women to report not feeling well more frequently than men.

Area of residency also plays an important part in ability to get transportation with the rural dweller having far greater problems and, in a very large percentage of cases, not being able to travel readily for necessary eye care.

Roughly a quarter of those interviewed felt that their

teeth needed attention and it is important to note that more than half of them felt that they could not afford dental care and about 30% said that they lacked transportation for medical and dental needs.

Some 30% said that their hearing was not normal, with markedly increasing hearing problems with increasing age. For those over 85 over half had hearing problems. About 20% of those with hearing problems said they lacked transportation for medical services. A third of them felt they needed a hearing aid.

There were 144 diabetics in the group. Of them, 127 regarded their condition as controlled and only 24 said they had difficulty taking care of their condition.

Nearly 85% of the diabetics reported they were under the care of a physician or clinic.

It was pointed out earlier how few among the group were well informed about available health facilities and services. This lack of information is especially high among the very elderly, who probably need it the most.

"When Congress passed the Medicare law four years ago, it included only those types of care considered most important to those over sixty-five and those most frequently needed. Consequently, not all types of medical care costs were covered and were never intended

to be. To fill the gap, more than half of the 20,000,000 people covered by Medicare have supplementary private health insurance to help them pay for the many items not included." (11)

The costly, painful effect of these restrictions on older persons is aggravated among the older blind segment of the population because they often lack information and access to community services which might alleviate suffering and expense. Many cannot afford private medical insurance.

Needs

The study has pointed up a number of basic needs in the area of health:

Information on health facilities and programs.

Financial Assistance for medical need.

Transportation to get medical services.

Assistance for people living in isolated circumstances, particularly when ill.

Special Attention in areas of dental and hearing care.

There appears to be a high incidence of problems and not much done since these medical problems are not of a vital nature.

SUMMARY

Housing

Two methods were used to determine how many of the group live in inadequate housing. Respondent answers to the questions can be compared to the independent observations of the trained interviewers.

Only 7% of those interviewed expressed the opinion that their present living arrangements were inadequate and they were not always the individuals whom the interviewers described as having inadequate homes. Less than 5% have housing that appears to be actually inadequate although somewhat more have safety hazards, problems of cleanliness, or general suitability.

When employees of the Commission for the Blind visited those who had been referred by the interviewers as having inadequate housing and offered to help the client relocate, the offer was usually rejected, for the client was satisfied with his housing and did not wish to change neighborhoods no matter how unsuitable his home might seem to others. Of the small number of clients who wished to move, most were motivated by a desire for health care, some by need for housekeeping and personal care services and several for the desire for companionship and more convenient location.

Further inquiry revealed that reluctance to relocate proved to be the expression of a tendency among older persons

to resist change of any kind. This reticence may be compounded for aging blind people by fears of inability to cope independently with a strange new environment. Familiarity with a house or neighborhood remembered from days before the onset of blindness represents a source of security to some. A kind friend nearby, the comforting presence of a particular church, shop or crony may render inadequate housing accommodations tolerable and preferable. Indeed, some elderly blind persons have not been made aware of the extent of deterioration of their home or local community, therefore, they may be content to remain.

15% of the group do not appear to be part of any family, neighbor or community organization. Another 15% live within a household but are not integrated and contributing members of that household. 20% live alone. 9% feel they would not be able to obtain help in an emergency. About 9% lack telephones.

35% of those interviewed must care for themselves and their homes and make their own meals. A large percentage of those who care for themselves are women especially in the under 70 age group. About 55% of the total group feel that they can make their own meals if necessary although men are more dependent than women when it comes to cooking, and those with less vision need more help. 75% of the respondents indicated need for assistance in shopping.

SUMMARY

Income

The vast majority of the sample, 80%, receive income from Social Security, 22% receive public welfare, 5% receive income from employment. 25% of the group feels their income is inadequate to meet their basic living needs. The problem of inadequate income appears to be more serious to men than to women and more serious for those in their 60's and 70's than those over 80 years old. This age group, however, is not interested in employment now nor in seeing a Vocational Counselor. 15% of those who feel their income is inadequate, receive Social Security while much more than half of this group receive welfare. A considerable number, 30%, do not know how to get information about income assistance and have not checked the more obvious possible sources of additional income relief. 10% are not aware of Income Tax exemptions for blind persons. 30% have not checked insurance policies for benefits. 30% have not checked organization membership benefits for which they may be eligible, and 20% do not receive Medicare even though eligible for it. It is significant that only 6% of older persons do not receive Social Security in rural areas as compared with 20% in urban areas. The earlier the age of visual loss the more people who do not receive Social Security and those with no useful vision

answer "No" to the question more frequently than those with reading or even travel vision. The older the age bracket the fewer the "No" responses. Among the aged, older clients tend to receive public assistance less frequently than the younger ones. The age of loss of vision has an even greater relationship since half of those blinded before age 20 receive public assistance as compared with one quarter of those who lost vision later in life. The latter tend to receive Social Security. Those who lost vision early in life tend to be welfare recipients. Those blinded late in life probably have built up rights under Social Security while they were sighted and employed.

25% said that even if they did need financial help they would not be willing to apply for public assistance. To the authors it appears that this attitude may stem from ingrained notions about the stigma of "taking charity." Some are willing to endure severe hardship in order to shield legally responsible relatives against routine investigation following application for public assistance. Pride prompts others to forego public assistance in order to cling to an insurance policy which will assure "a decent burial." Some feel strongly that being blind should not be equated or be associated with welfare.

Only 15% feel that more assistance is needed in the care

of the home. 70% can care for their clothing and less than 10% expressed a desire for instruction in home management without vision.

SUMMARY

Occupations

In this study, it should be noted that the word occupation is used as a synonym for gainful employment, and, as in the other areas surveyed, the purpose was the identification of needs. In considering educational background as a factor, the figures showed that the sampled population was fairly typical of their age group; blindness affected the educational opportunities of less than 7%. 10% had never been employed; understandably, a significantly larger number of women than men were in this category. 10% had been employed within the five year period prior to the survey, but 61% had not worked for more than ten years. Only 5% were receiving income from employment. This last figure is in sharp contrast with the statistics reported by Mr. C. Ronald Parker, Labor and Market Analyst of the New Jersey Department of Labor and Industry. Based on the 1960 census, his report indicated that 29% of the over 60 population were in the labor market.

Although it was the impression of the interviewers that about 30% of the group were not as active as their interests and abilities would warrant, interest in employment was expressed by 15% of the respondents, and just 12% desired a visit from a Vocational Counselor. Understandably, greater

interest was evinced in the lower (60-70) elderly age bracket, with little relationship to geographical area of dwelling, age of visual loss, or amount of vision. There was also no significant difference with regard to educational background in the group who desired work. The older respondent, and those in the group who lost sight after the age of 50, represented the greatest percentage of the unemployed, and also were the least interested in employment.

Of the 15% who stated they were interested in work, 11% indicated they preferred part-time employment, and the same percentage wanted work at home. Of the numerically small group who thought they could work outside their homes, 50% could not travel independently, 50% did not have available transportation, and 33% had additional disabilities, which could further limit their employment potential and raises reality questions. In spite of these limitations, some engage in therapeutic activity and earn supplemental income by engaging in craft and other homebound occupations. It should be noted that many of the older blind, both men and women, have assumed full homemaking duties. By doing this, they have been able to avoid the necessity and expense of a care facility, and in some instances have released another family member to engage in gainful employment.

SUMMARY

Social Participation

It is evident from scrutiny of data related to social participation that a high degree of detachment from family and community prevails among the older blind population with which the survey concerned itself. It cannot be determined whether the state of non-involvement developed from lack of interest or lack of opportunity. The interviewers observed that 40% of the respondents seemed shy and that 25% were somewhat inarticulate which suggests attitudes of withdrawal. Survey figures reveal that 20% of the group live alone, but the count of aloneness does not measure loneliness for another 20% who live with others and do not appear to be integrated with the people in their environment. This condition seems not to vary statistically with respect to age, age at onset of blindness, amount of vision or place of dwelling.

20% do not visit away from home. 60% do not entertain at home. 30% do not visit by telephone. 35% do not enjoy informal outings. 20% do not watch TV and 50% do not read. In comparison with the total group there are about 20% who do not visit or have visitors, who do not telephone or enjoy TV, therefore, can be considered to have limited social participation. They compare more closely with the whole group in

their interest in reading and knowledge of library services. The habit of visiting by telephone decreases with advancing age, but shows no relationship to amount of vision, age at loss of vision or home location. Increase in hearing problems and decrease in number of friends may account for the age relationship.

Lack of information, inability to travel, and unavailability of transportation present problems in maintaining community contacts. 35% of the sample do not belong to a church or other organization, although 10% said that they would like to. 30% are not aware of activities in their communities and another 30% cannot get to them. Belonging to church or other organizations shows no relationship to amount of vision, but is less characteristic of rural dwellers, those who became blind in later years and somewhat related to increased age. In general, 30% are aware of activities in the community. Rural residents tend to be more aware of community activities, perhaps because the activities are fewer. As age increases, knowledge of activities and facilities decreases. Rural women report that they lack a way to get to church or meetings. Persons who lost sight after fifty are more likely to have the same problem while those with relatively good vision are less likely to have difficulty.

When asked what leisure-time activity they preferred, 97% indicated an interest in reading, radio and television, but with increased years, radio, and especially television, lose some appeal. It may be that increase in hearing problems make these diversions less pleasurable.

Many of the clients interviewed enjoy getting out when opportunities arise, but 35% are not interested. 75% take no vacation. Obviously, the term here refers to a change in regular life setting rather than respite from work. Half of the group were not aware of vacation facilities for the blind. Going out informally becomes more difficult with increased years as does the taking of vacations. Those who lost vision in later life and those with more residual vision tend to know less about vacation facilities available to them. Those over 85 know little of these facilities which may, in fact, not be accepting of them if they had the information and the inclination to leave home for a vacation.

Half of the group do not enjoy walking alone and nearly that number reported that they cannot travel without assistance. Only 10% expressed the need or desire for mobility training. Obviously, independence in travel is affected by multiple health problems and by the fact that there is little use in being able to travel if there is no place where one

really wants to go. Walking alone is less characteristic of rural dwellers, those who lost vision later in life, those without some helpful vision, and the most advanced in age.

65% of those interviewed described themselves as having had hobbies which appear to be relatively inactive. Only 25% make things for themselves or others. 25% have hobbies which they can no longer enjoy possibly because vision is essential; for example, stamp collecting. Or because they have not learned to participate in the hobby as a blind person; for example, bowling. Figures from the survey show that interest in hobbies diminishes as the years pass.

Relatively small numbers expressed interests in discussion groups, Senior Citizens, volunteer work or civic organizations, but the fact that these are mentioned by as much as 20% seems to prove that the combination of blindness and age does not necessarily foster attitudes of non-involvement.

In general, this survey presents a picture of somewhat greater isolation for rural dwellers, those who lost vision later in life and the very old. Among the surveyed group, those with less vision tend to be more isolated.

COMMENTARY

A review of the material presented in the foregoing sections of this investigation and the tabular data found in the appendix reveals significant need among the study group for information, financial assistance, transportation and the development of meaningful human relationships.

The health of the older blind individual suffers most critically in that he has no regular, dependable, adequate means of keeping informed about programs, facilities and services of benefit to him. Even though he may have access to health care information, often he cannot avail himself of these services because he has no money to pay for service, transportation, or the cost of engaging someone willing to act as his aide or guide. If he has both information and money, he may be frustrated by inability or fear of travel, or complete lack of transportation facilities. For want of a relative, friend, volunteer or professional worker, some elderly blind persons suffer and deteriorate needlessly.

In connection with the discussion on housing, the point has been made that a high percentage of the survey participants who live in inadequate homes are imprisoned there because they lack information about more desirable living accommodations, they cannot pay for better quarters or even

meet the cost of moving their possessions. The availability of transportation and familiarity with the neighborhood deter relocation. One good friend at hand is worth more to a timid blind person than an upgraded living arrangement amid indifferent strangers.

Opportunity for occupation, whether vocational or avocational, is thwarted partly by lack of information. The expense of transportation, guide service, dues, fees, and materials make hobbies and community activities prohibitive. The unavailability of transportation and the inability to travel independently put outside employment and recreation facilities out of reach, thus fostering isolation and loneliness.

The purpose of this study was to identify the urgent needs of the aging blind. Because of this focus, problem areas have been emphasized. Some significant statistics emerged from the study. There were a large number among the group of blind Senior Citizens who seemed to be getting along quite well and did not have urgent needs. For example: in the interviewers' judgment 89% appeared to be happy and content, over 90% felt that their housing was adequate and over 75% said that they had adequate income to meet their basic needs. In response to this final section in the questionnaire, 384 individuals did not identify

any urgent needs.

RECOMMENDATIONS

In order to ameliorate the unenviable condition with which many older blind persons must contend, those individuals or agencies responsible for programming should take all necessary steps to insure that the proportion of money, time, and effort devoted to service for the older blind population conform to their proportionate number in the total group being served.

Extensive use of mass media is urged for the purpose of conveying to older blind persons and those interested in them, information about services established for their benefit. Information designed to promote intelligent understanding of blind people, their abilities and concerns should be included.

Agencies for the blind should maintain an information-sharing program about blindness with other community agencies.

A method of disseminating information regarding medical care should be developed.

Efforts should be made to promote sound legislation to benefit older blind persons especially as it relates to financial assistance, health care, housing and transportation.

Rehabilitation Teaching and Mobility service should be expanded to aid this group to live more independently and with greater satisfaction.

Consideration should be given to the establishment of a transportation program to meet the compelling needs of older blind people.

Volunteer service should be expanded and co-ordinated with community agencies.

Expanded opportunity for work at home would meet the need of the largest percentage of the over sixty population who are interested in employment.

Regular, frequent contact with older blind persons should be maintained in order to anticipate service needs and avoid crises whenever possible. A dialogue between the specialized agency and older blind persons should be maintained so that their needs may be known and dealt with promptly and with dignity.

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APPENDIX I - GERIATRIC-BLIND PROJECT QUESTIONNAIRE

NAME: _____

STREET ADDRESS: _____

CITY OR TOWN: _____

COUNTY: _____

TYPE OF COMMUNITY: _____

SEX: _____

AGE AT ONSET OF BLINDNESS: _____

SCHEDULE NUMBER: _____

YEAR OF BIRTH: _____

NOTE: All the material presented in this study is based on 736 completed questionnaires. The questions are numbered from 20 through 194, and are phrased so that a "No" response indicates a need.

HEALTH SECTIONINTERVIEWER'S OBSERVATIONS

	<u>YES</u>	<u>NO</u>	<u>NO RESPONSE</u>
20. Does client appear to be healthy and nourished?	645	89	2
21. Does client appear to be happy and contented?	650	80	6
22. Is client clean and comfortably dressed?	696	35	5
23. Does client seem to be interested and alert?	681	48	7
24. Is client wearing glasses?	270	460	6
25. Does client wear a hearing aid?	50	679	7
26. Does client appear to hear normally?	516	214	6
27. Does client appear physically normal in that there are no obvious physical deformities which might detract from his appearance?	684	47	5
28. Does client appear to be mentally competent?	703	28	5

QUESTIONS DIRECTED TO CLIENT

29. Are you feeling well?	542	191	3
30. Do you consider yourself as healthy?	475	253	8
31. Are you able to care for your daily health care?	667	58	11

EYE CARE AND VISION

32. Do you have enough vision to see light?	553	181	2
33. Has your vision remained constant for the past five (5) years?	336	394	6

APPENDIX I

	<u>YES</u>	<u>NO</u>	<u>NO RESPONSE</u>
34. For the care of your eyes, do you go to a medical eye doctor or clinic?	362	370	4
35. Are you under the care of an optometrist?	44	668	24
36. Do you use any eye medication?	298	436	2
37. Do you use any other medication?	412	321	3
<u>If using medication:</u>			
38. Do you take the medicine yourself?	381	109	246
39. Do you find you are able to administer your own medication without difficulty?	379	73	284
40. Are you able to travel by yourself to doctor or eye clinic for your eye care?	156	433	147
41. Have you had eye surgery?	366	364	6
<u>GENERAL MEDICAL INFORMATION:</u>			
42. Are you a non-diabetic?	589	144	3
<u>(If you are a diabetic:---)</u>			
43. Are you under the care of an M.D. or clinic?	122	17	597
44. Is your diabetic condition controlled?	127	12	597
45. Do you administer your medication?	100	25	611
46. Do you take insulin?	65	72	599
47. If you take insulin, do you administer it yourself?	25	42	669
48. Are you able to care for your diabetes with little difficulty?	112	24	600
49. Do you check your urine specimens daily?	42	96	598

	<u>YES</u>	<u>NO</u>	<u>NO RESPONSE</u>
50. Are you able to secure transportation to the doctor or hospital for diabetic care?	114	26	596
51. Is your heart functioning normally?	589	143	4
52. Is your blood pressure usually normal?	537	194	5
53. Is the condition of your feet normal?	477	254	5
54. Are you under medical care of a private physician or clinic for general physical care?	567	165	4
55. Are you able to meet your financial needs for medical care without undue difficulty	581	131	24
56. Are your teeth in good condition?	565	169	2
57. Do you have a regular dentist available?	116	110	510
58. Are you financially able to afford dental care?	113	108	515
59. Is your hearing normal in so far as you know?	480	253	3
60. Is your hearing aid in good working order?	39	25	672
61. Do you feel that a hearing aid is unnecessary?	233	92	411
62. Do you feel that a hearing test would probably not be necessary in the near future?	540	153	43

HEALTH EDUCATION:

63. Do you know of the health facilities and services in your community?	350	382	4
64. Do you know enough information about your local health services if you needed them?	328	403	5

HEALTH NEEDS:

65. If you were sick at home, would someone be able to help you?	599	135	2
--	-----	-----	---

	<u>YES</u>	<u>NO</u>	<u>NO RESPONSE</u>
66. If you needed crutches, walker, wheelchair, hospital bed or other medical and nursing aids, would you be able to secure them from local clubs or organizations?	291	433	12
67. Do you understand the benefits from Medicare?	390	218	128
68. Do you know about the Medical Assistance to the Aged program?	113	477	146
69. Is a general hospital within a reasonable distance from your home?	672	59	5
70. Do you have transportation available for your medical needs?	591	142	3

HOUSING SECTION

INTERVIEWER'S OBSERVATIONS

71. Does housing appear to be adequate?	694	32	10
72. Does housing appear to be suitable?	656	70	10
73. Does housing situation appear to be safe?	672	53	11
74. Does home appear to be clean?	663	62	11
75. Does client appear to be a part of family, neighbors, and community?	617	111	8
76. Does client appear to be an integrated and contributing member of the household?	517	128	91
77. Does it appear unnecessary for client to care for himself and his home?	455	275	6
78. Does client live with another individual or group of individuals?	595	136	5

QUESTIONS DIRECTED TO CLIENT

79. Do you feel that your present living arrangement is adequate?	680	55	1
---	-----	----	---

	<u>YES</u>	<u>NO</u>	<u>NO RESPONSE</u>
If <u>no</u> , would you prefer to move because you need:			
80. companionship	28	13	695
81. health care	17	24	695
82. housekeeping and personal care services	28	18	690
83. more convenient location	32	13	691
84. Do you feel that more help in the regular caring for your home is not needed?	577	130	29
85. Are your furnishings comfortable and adequate?	703	21	12
86. Is your heating adequate?	707	23	6
87. Do you feel that your home is free of hazards?	704	19	13
88. Do you have a telephone?	665	68	3
89. Would you be able to obtain help in emergency?	663	66	7
90. Do you need to prepare your own meals?	249	486	1
91. Are you able to prepare your own meals?	430	305	1
92. Do you have no need for homemaking instruction?	663	67	6
93. Are you able to do your own shopping without help?	192	538	6
94. Are you able to take care of your clothing?	521	212	3
95. Are you aware of safety measures in your home?	687	43	6

INCOME SECTION

96. Is your current income adequate for your basic living needs?	562	172	2
Is your current income derived from:			
97. employment	39	659	38

	<u>YES</u>	<u>NO</u>	<u>NO RESPONSE</u>
98. Social Security (O.A.S.I.)	577	145	14
99. public assistance (Welfare)	153	540	43
100. retirement benefits	137	558	41
101. veterans benefits	51	644	41
102. spouse's income	100	593	43
103. income from private sources	327	381	28
104. If you need information regarding any of the above types of income, would you know where to find it?	515	204	17
105. Are you aware of the income tax exemption for blind persons?	89	82	565
*106. Have you checked insurance policies for benefits for which you may be eligible?	292	209	235
109. Have you checked organization membership benefits for which you may be eligible?	200	242	294
110. If you needed financial help, would you be willing to apply for public welfare?	406	180	150
111. Are you receiving Medicare?	465	134	137
*Nos. 107. and 108 do not appear because of typeographical error in numbering.			

OCCUPATION SECTION

INTERVIEWER'S OBSERVATIONS

112. Does client appear to be active to the extent of his interests and abilities?	503	218	15
113. Is client presently employed?	49	683	4

<u>YES</u>	<u>NO</u>	<u>NO RESPONSE</u>
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QUESTIONS DIRECTED TO CLIENT

Are you a graduate from:

114. grammar school	521	210	5
115. high school	216	455	65
116. college	71	557	108
117. special training (Note type: _____)	130	402	204

(If client is unemployed, ask following:)

118. Have you been employed in the past?	623	72	41
--	-----	----	----

How long since employed:

119. last 1-5 years	78	337	321
120. last 5-10 years	96	313	327
121. over 10 years ago	448	111	177

What type of the following kinds of work did you
do? ---

122. professional	99	384	253
123. semi-professional (skilled trade)	257	248	231
124. unskilled	259	271	206
125. Are you uninterested in employment at this time?	556	113	67

(If the answer is "no," ask following:)

126. full-time employment	26	55	655
127. part-time employment	87	7	642

	<u>YES</u>	<u>NO</u>	<u>NO RESPONSE</u>
128. work at home	81	13	642
129. competitive	18	54	664
130. Do you feel that a visit from a Vocational Counselor would be of little value to you at this time?	232	96	408
131. Do you feel that you would be able to secure employment despite your limited vision?	88	45	603
132. Are you able to consider employment outside the home?	44	91	601
In considering such employment, would you be able to meet the following adequately:			
133. travel independently	35	37	664
134. have no additional disabilities	46	26	664
135. have general good health	52	19	665
136. have available transportation	34	38	664
137. be able to manage family responsibilities	63	9	664
138. Do you know that you can still be employed to some degree and still receive Social Security or pension benefits?	411	133	192

SOCIAL PARTICIPATION SECTIONINTERVIEWER'S OBSERVATIONS

139. Did client appear to receive you well?	714	16	6
140. Does client appear to be socially integrated with his environment?	591	138	7
141. Is client articulate?	545	182	9
142. Does client appear to be outgoing?	437	291	18

	<u>YES</u>	<u>NO</u>	<u>NO RESPONSE</u>
<u>QUESTIONS TO BE DIRECTED TO CLIENT</u>			
143. Do you enjoy visiting people	580	155	1
144. Do people visit you?	589	146	1
145. Do you visit over the telephone?	496	235	5
146. Do you entertain at home?	273	455	8
147. Do you belong to a church group or other organization in the community?	456	278	2
148. If yes, do you attend regularly?	250	206	280
149. If no, would you like to belong to an organization or church group?	76	222	438
150. Are you aware of the organizations and activities in your community?	467	255	14
151. Do you have means of getting to meetings and church activities?	476	239	21
152. Do you participate in sports, either actively or as a spectator?	345	382	9
153. Do you enjoy radio?	709	26	1
154. Do you enjoy television?	523	212	1
155. Do you enjoy games?	161	573	2
156. Do you like going out informally?	480	252	4
157. Do you take regular vacations?	161	570	5
If you take regular vacations:			
158. traveling	82	41	613
159. resorts	120	19	597

	<u>YES</u>	<u>NO</u>	<u>NO RESPONSE</u>
160. Are you aware of the vacation facilities for the blind?	331	396	9
161. Do you go to the theater?	80	650	6
162. Are you aware of the movie pass available for a companion of a blind person?	176	555	5
163. Do you enjoy music?	684	49	3
164. Do you enjoy reading regularly?	254	375	7
If yes, do you read:			
165. talking books	272	76	388
166. braille	77	218	441
167. Do you use your local library?	172	332	232
168. Are you familiar with the library services for the blind?	464	174	98
169. Do you enjoy reading alone more than you enjoy having a person read to you?	306	222	208
170. Do you enjoy walking alone?	363	368	5
171. Are you able to take walks alone without assistance?	397	334	5
172. Would training for you to travel alone be unnecessary for you at this time?	639	60	37
173. Do you have any hobbies?	496	237	3
174. Do you make things for yourself?	163	572	1
175. Do you make things for others?	136	598	2
176. Are you able to participate in your hobbies if you want to?	432	208	96

	<u>YES</u>	<u>NO</u>	<u>NO RESPONSE</u>
If you had your choice, which of the activities below would you like to occupy your leisure time:			
177. hobby	427	295	14
178. crafts	206	517	13
179. civic clubs	103	622	11
180. church clubs	211	516	9
181. discussion groups	204	521	11
182. reading, watching T.V., listening to radio	715	16	5
183. travel	271	454	11
184. senior citizen clubs	158	557	21
185. volunteer work	133	591	12
186. visiting with others	585	143	8

SUMMARY RECORDCOMMENTS OF INTERVIEWER:

187. Was client interviewed alone?	431	304	1
If member of family was present, what was the attitude:			
188. friendly	290	9	437
189. disinterested	62	152	522
190. tolerant	176	31	529
191. hostile	9	198	529
192. overprotective	45	163	528

	<u>YES</u>	<u>NO</u>	<u>NO RESPONSE</u>
193. Were no difficulties encountered with respect to client's physical or mental ability to respond to the questionnaire?	674	55	7
194. Could client understand and speak English well enough to understand and respond to the questionnaire without difficulty?	708	23	5

*CLIENT'S EXPRESSION OF HIS OWN URGENT NEEDS:

1.	Financial.....	100
2.	Aids and Appliances.....	82
3.	Occupation.....	69
4.	Medical.....	66
5.	Movie and Bus Passes, Fishing Licenses.....	55
6.	Home Teaching and Casework.....	48
7.	Vacation Home for the Blind.....	47
8.	Transportation.....	45
9.	Mobility Instruction.....	36
10.	Social Activities.....	31
11.	Housing.....	26
12.	Help in Housekeeping.....	24
13.	Information on Services and Resources.....	23
14.	Volunteers.....	20

INTERVIEWER'S IMPRESSION OF CLIENT'S NEEDS:

1.	(Financial.....	77
	(	
	(Medical.....	77
3.	Transportation.....	48
4.	Social Activities.....	43
5.	Aids and Appliances.....	36
6.	Home Teaching and Casework.....	31
7.	Occupation.....	29

8.	Housing.....	28
9.	Mobility Instruction.....	25
10.	Help in Housekeeping.....	21
11.	Information on Services and Resources.....	18
12.	Vacation Home for the Blind.....	16
13.	Movie Passes, Bus Passes, and Fishing Licenses.....	14
14.	Volunteers.....	12

*384 individuals stated that they had no urgent needs.

APPENDIX II

NOTE

In Appendixes II (a), II (b), and II (c) the figures on the extreme left under "A," "B," or "Item" refer to the question numbers in the survey questionnaire.

In the same tables the other figures denote the percentage of "No" responses by Males (M), Females (F) and the combined Total percentage (T), not numerical representations.

APPENDIX II (a) - PERCENTAGE OF "NO" RESPONSES RELATED TO AGE

<u>Item #</u>	<u>60-64</u>	<u>65-69</u>	<u>70-74</u>	<u>75-79</u>	<u>80-84</u>	<u>85-89</u>	<u>90+</u>	<u>Total</u>
29 M	24.3	19.4	24.2	20.0	22.0	20.0	50.0	22.6
F	29.8	34.3	31.5	32.8	20.9	26.2	29.2	30.0
T	27.2	26.8	28.0	27.5	21.4	23.9	34.4	26.7
30 M	32.4	26.4	40.9	26.7	31.7	16.0	37.5	30.8
F	40.5	43.8	45.2	34.4	27.9	28.6	25.0	37.4
T	36.7	35.1	43.1	31.1	29.8	23.9	28.1	34.4
40 M	47.3	43.1	74.2	42.2	51.2	64.0	62.5	53.2
F	63.1	54.8	63.0	59.4	72.1	81.0	45.8	62.7
T	55.7	48.9	68.3	52.2	61.9	74.6	50.0	58.4
42 M	16.2	20.8	16.7	8.9	12.2	8.0	12.5	15.1
F	23.8	35.6	19.2	31.3	11.6	9.5	8.3	22.5
T	20.3	28.2	17.9	22.0	11.9	9.0	9.4	19.2
51 M	16.2	13.9	33.3	22.2	12.2	16.0	37.5	19.9
F	11.9	17.8	15.1	28.1	18.6	4.8	12.5	18.6
T	13.9	15.8	23.7	25.6	15.5	9.0	18.8	19.2
52 M	20.3	25.0	25.8	24.4	14.6	8.0	25.0	21.5
F	26.2	32.9	34.3	39.1	27.9	23.8	16.7	30.2
T	23.4	28.9	30.2	33.0	21.4	17.9	18.8	26.2
53 M	21.6	31.9	30.3	24.4	39.0	40.0	25.0	29.6
F	35.7	42.5	45.2	37.5	30.2	40.5	37.5	38.9
T	29.1	37.2	38.1	32.1	34.5	40.3	34.4	34.7
54 M	33.8	20.8	22.7	17.8	35.9	40.0	25.0	26.9
F	17.9	19.2	11.0	18.8	30.2	26.2	12.5	18.8
T	25.3	20.0	16.5	18.3	32.1	31.3	15.6	22.4
55 M	28.4	19.4	25.8	17.8	14.6	4.0	25.0	20.8
F	17.9	21.9	12.3	17.2	11.6	11.9	4.2	15.3
T	22.8	20.6	18.7	17.4	13.1	9.0	9.4	17.8
56 M	23.0	27.8	25.8	24.4	26.8	24.0	25.0	25.4
F	22.6	27.4	15.1	20.3	14.0	26.2	16.7	20.8
T	22.8	27.5	20.1	22.0	20.2	25.4	18.8	22.8

APPENDIX II (a)

2.

Item #	60-64	65-69	70-74	75-79	80-84	85-89	90+	Total
58 M	16.2	20.8	19.7	20.0	9.8	8.0	25.0	17.2
F	15.5	17.8	9.6	14.1	4.7	14.3	0	12.4
T	15.8	19.3	14.3	16.5	7.1	11.9	6.3	14.5
59 M	16.2	26.4	30.3	44.4	41.5	40.0	50.0	30.8
F	19.1	26.0	32.9	35.9	44.2	54.8	62.5	34.4
T	17.7	26.2	31.6	39.4	42.9	49.3	59.4	32.8
61 M	1.4	4.2	13.6	11.1	9.8	20.0	50.0	9.4
F	4.8	12.3	13.7	18.8	14.0	31.0	16.7	14.3
T	3.1	8.2	13.6	15.5	11.9	26.9	25.0	12.1
62 M	10.8	19.4	19.7	17.8	14.6	20.0	62.5	17.8
F	14.3	19.2	21.9	25.0	25.6	31.0	33.3	22.3
T	12.7	19.3	20.8	22.0	20.2	26.9	40.6	20.2
63 M	50.0	52.8	45.5	48.9	41.5	64.0	62.5	49.8
F	54.8	57.5	45.2	56.3	46.5	47.6	62.5	52.6
T	52.5	55.1	45.3	53.2	44.1	53.7	62.5	51.3
65 M	10.8	15.3	12.1	11.1	14.6	12.0	0	12.4
F	28.6	30.1	17.8	21.9	25.6	21.4	4.2	23.3
T	20.3	22.7	15.1	17.4	20.2	17.9	3.1	18.3
66 M	56.8	70.8	54.6	55.6	41.5	64.0	62.5	58.0
F	63.1	69.9	50.7	67.2	44.2	50.0	54.2	58.8
T	60.1	70.3	52.5	62.3	42.9	55.2	56.3	58.4
67 M	13.5	31.9	36.4	31.1	29.3	32.0	50.0	28.7
F	13.1	35.6	35.6	28.1	25.6	40.5	54.2	30.2
T	13.2	33.7	35.9	29.3	27.4	37.3	53.1	29.5
68 M	25.7	69.4	75.8	73.3	82.9	68.0	100.0	64.0
F	26.2	72.6	72.6	75.0	72.1	73.8	95.8	64.7
T	26.6	71.0	74.1	74.3	77.4	71.6	96.9	67.1
70 M	13.5	11.1	33.3	17.8	22.0	32.0	25.0	20.2
F	17.9	20.6	15.1	23.4	16.3	21.4	12.5	18.6
T	15.8	15.8	23.7	21.1	19.1	25.4	15.6	19.3
77 M	24.3	30.6	27.3	35.6	36.6	24.0	12.5	29.0
F	56.0	52.1	41.1	42.2	30.2	28.6	29.2	43.1
T	41.1	41.3	34.5	39.4	33.3	26.9	25.0	36.7

APPENDIX II (a)

3.

Item #	60-64	65-69	70-74	75-79	80-84	85-89	90+	Total
78 M	12.2	15.3	12.1	13.3	17.1	12.0	12.5	13.3
F	20.2	30.1	21.9	21.9	20.9	26.2	16.7	23.0
T	16.5	22.0	17.2	18.3	19.1	20.9	15.6	18.6
84 M	13.5	15.3	24.2	4.4	19.5	24.0	12.5	16.0
F	16.7	26.0	11.0	25.0	7.0	26.2	16.7	18.6
T	15.2	20.0	17.2	16.5	13.1	25.4	15.6	17.4
91 M	43.2	33.3	57.6	53.3	48.8	48.0	75.0	47.1
F	20.2	21.9	43.3	48.4	44.2	64.3	54.2	36.7
T	31.0	27.5	45.3	50.4	46.4	58.2	59.4	41.4
93 M	64.9	59.7	80.3	64.4	61.0	76.0	100.0	68.0
F	72.6	64.4	72.6	73.4	93.0	83.3	91.7	75.6
T	68.9	62.0	76.2	69.7	77.4	80.6	93.8	72.2
94 M	33.8	29.2	43.9	31.1	31.7	32.0	37.5	34.1
F	19.1	17.8	16.4	28.1	37.2	35.7	41.7	24.8
T	25.9	23.4	29.4	29.3	34.5	34.3	40.6	29.0
96 M	36.5	29.2	31.8	20.0	22.0	24.0	12.5	28.4
F	23.8	21.9	12.3	28.1	16.3	11.9	4.2	18.8
T	29.7	25.5	21.5	24.7	19.1	16.4	6.3	23.1
98 M	28.4	16.7	10.6	17.8	7.3	0	0	15.4
F	44.1	19.2	12.3	14.1	18.6	9.5	25.0	21.5
T	36.7	17.9	11.5	15.5	13.1	6.0	18.8	18.8
99 M	71.6	77.8	81.8	77.8	70.7	72.0	87.5	76.1
F	69.1	64.4	67.1	67.2	79.1	73.8	87.5	70.2
T	70.2	71.0	74.1	71.5	75.9	73.1	87.5	72.8
104 M	18.9	20.8	25.8	28.9	24.4	36.0	25.0	24.1
F	29.8	30.1	26.0	29.7	23.3	45.2	37.5	30.5
T	24.6	25.5	25.8	29.3	23.8	41.8	34.4	27.6
105 M	6.8	4.2	7.6	17.8	22.0	4.0	12.5	9.6
F	9.5	11.0	15.1	10.9	14.0	11.9	8.3	11.6
T	8.2	7.5	11.5	13.7	17.9	9.0	9.4	10.7
106 M	18.9	20.8	21.2	22.2	39.0	36.0	50.0	24.7
F	28.6	35.6	24.7	35.9	25.6	31.0	41.7	31.0
T	24.1	28.2	23.0	30.2	32.1	32.8	43.8	28.2

APPENDIX II (a)

4.

Item #	60-64	65-69	70-74	75-79	80-84	85-89	90+	Total
109 M	31.1	29.2	31.8	26.7	39.0	28.0	75.0	32.0
F	34.5	42.5	26.0	35.9	27.9	33.3	25.0	33.2
T	32.9	35.8	28.7	32.1	33.3	31.3	37.5	32.6
110 M	14.9	19.4	24.2	28.9	24.4	20.0	12.5	21.1
F	20.2	24.7	26.0	20.3	21.9	35.7	37.5	27.0
T	17.7	22.0	25.1	23.8	33.3	29.9	31.3	24.3
111 M	18.9	15.3	13.6	13.3	12.2	24.0	25.0	16.0
F	23.8	17.8	16.4	15.6	16.3	19.1	29.2	19.1
T	21.5	16.5	15.1	14.6	14.3	20.9	28.1	17.7
112 M	37.8	25.0	24.2	26.7	31.7	32.0	37.5	29.6
F	23.8	30.1	30.1	32.8	23.3	35.7	33.3	29.2
T	30.4	27.5	27.3	30.2	27.4	34.3	34.4	29.4
113 M	90.5	88.9	92.4	93.3	95.1	92.0	100.0	91.8
F	88.1	93.2	91.8	96.9	93.0	97.6	100.0	93.3
T	89.2	91.0	92.0	95.4	94.1	95.5	100.0	92.6
114 M	21.6	30.6	33.3	37.8	34.2	36.0	25.0	30.8
F	23.8	20.6	41.1	31.3	20.9	28.6	12.5	27.0
T	22.8	25.5	37.4	33.9	27.4	31.4	15.6	28.7
115 M	62.2	70.8	69.7	60.0	53.7	68.0	75.0	64.9
F	61.9	58.9	60.3	64.1	53.5	54.8	54.2	59.3
T	62.0	64.8	64.7	62.3	53.6	59.7	59.4	61.8
116 M	78.4	77.8	74.2	71.1	68.3	80.0	75.0	75.2
F	78.6	76.7	71.2	76.6	67.4	81.0	83.3	75.9
T	78.5	77.2	72.6	74.3	67.9	80.6	81.3	75.6
118 M	1.4	0	0	0	4.9	8.0	12.5	1.8
F	19.1	9.6	17.8	15.6	16.3	21.4	16.7	16.3
T	10.7	4.8	9.3	9.1	10.7	16.4	15.6	9.8
122 M	60.8	63.9	57.6	55.6	61.0	52.0	62.5	59.5
F	41.7	54.8	43.8	48.4	34.9	40.5	50.0	45.1
T	50.6	59.3	50.3	51.3	47.6	44.8	53.1	51.6
123 M	29.7	33.3	34.9	33.3	26.8	28.0	25.0	31.4
F	32.1	37.0	34.3	42.2	32.6	31.0	29.2	34.7
T	31.0	35.2	34.5	38.5	29.8	29.9	28.1	33.2

APPENDIX II (a)

5.

Item #	60-64	65-69	70-74	75-79	80-84	85-89	90+	Total
124 M	46.0	47.2	42.4	48.9	46.3	24.0	87.5	45.3
F	22.6	31.5	19.2	28.1	39.5	35.7	50.0	29.2
T	33.5	39.3	30.2	36.7	42.9	31.3	59.4	36.5
125 M	28.4	23.6	12.1	15.6	4.9	4.0	0	16.9
F	20.2	21.9	12.3	9.4	9.3	7.1	8.3	14.1
T	24.1	22.8	12.2	11.9	7.1	6.0	6.3	15.3
130 M	21.6	19.4	10.6	11.1	2.4	8.0	12.5	13.8
F	11.9	26.0	9.6	6.3	9.3	7.1	8.3	12.1
T	16.5	22.8	10.1	8.3	6.0	7.5	9.4	12.9
134 M	6.8	2.8	4.6	0	0	0	0	3.0
F	3.6	5.5	5.5	1.6	0	0	8.3	3.4
T	5.1	4.1	5.0	.9	0	0	6.3	3.2
135 M	1.4	1.4	3.0	2.2	0	0	0	1.5
F	3.6	4.1	6.9	1.6	0	0	8.3	3.2
T	3.8	2.8	5.0	1.8	0	0	6.3	2.4
140 M	13.5	15.3	19.7	11.1	22.0	32.0	12.5	17.2
F	14.3	13.7	21.9	25.0	16.3	33.3	16.7	19.6
T	13.9	14.5	20.9	19.3	19.1	32.8	15.6	18.5
144 M	20.3	18.1	23.2	15.6	19.5	28.0	0	19.9
F	14.3	17.8	20.6	20.3	16.3	31.0	16.7	19.1
T	17.3	17.9	22.3	18.3	17.9	29.9	12.5	19.4
145 M	35.1	29.2	33.3	31.1	48.8	56.0	62.5	36.8
F	16.7	19.2	28.8	31.3	34.9	47.6	37.5	28.0
T	25.3	24.1	30.9	31.2	41.7	50.8	43.8	32.0
146 M	54.1	56.9	51.5	53.3	68.3	64.0	62.5	56.7
F	51.2	61.6	68.5	60.9	62.8	73.8	66.7	62.0
T	52.5	59.3	60.4	57.8	65.5	70.2	65.6	59.8
147 M	31.1	52.8	48.5	31.1	48.8	44.0	37.5	42.5
F	34.5	34.3	28.8	35.9	39.5	33.3	37.5	34.2
T	32.9	43.4	38.1	33.9	44.1	37.3	37.5	38.0
148 M	25.7	19.4	24.2	26.7	31.7	36.0	37.5	25.9
F	17.9	24.7	37.0	35.9	32.6	35.7	37.5	30.0
T	21.5	22.1	30.9	32.1	32.1	35.8	37.5	28.2

APPENDIX II (a)

6.

Item #	60-64	65-69	70-74	75-79	80-84	85-89	90+	Total
150 M	27.0	30.6	28.8	22.2	31.7	36.0	37.5	29.0
F	27.4	31.5	35.6	40.6	37.2	40.5	66.7	36.4
T	27.2	31.0	32.4	33.0	34.5	38.8	59.4	33.1
151 M	23.0	26.4	33.3	28.9	41.5	60.0	25.0	31.7
F	19.1	32.9	39.7	45.3	27.9	40.5	24.0	33.0
T	20.9	29.7	36.7	38.5	34.5	47.8	25.0	32.4
153 M	4.1	0	1.5	6.7	7.3	12.0	0	3.9
F	3.6	0	2.7	6.3	9.3	14.3	12.5	5.4
T	3.8	0	2.2	6.4	8.3	13.4	9.4	4.7
154 M	20.3	22.2	28.8	35.6	43.9	28.0	37.5	28.3
F	14.3	13.7	23.3	23.4	44.2	42.9	62.5	26.3
T	17.1	17.9	25.9	28.4	44.1	37.3	56.3	27.2
155 M	70.3	80.6	71.2	77.8	80.5	84.0	50.0	75.5
F	65.5	68.5	75.3	84.4	83.7	78.6	87.5	75.4
T	67.7	74.5	73.4	81.7	82.1	80.6	78.1	75.4
156 M	21.6	16.7	37.9	37.8	39.0	40.0	12.5	29.3
F	28.6	26.0	37.0	53.1	51.2	50.0	54.2	39.7
T	25.3	21.4	37.4	46.8	45.2	46.3	43.8	35.0
157 M	71.6	80.6	78.8	68.9	80.5	92.0	87.5	77.6
F	60.7	80.8	71.2	76.6	86.1	78.6	87.5	74.9
T	65.8	80.7	74.8	73.4	83.3	83.6	87.5	76.1
160 M	56.8	45.8	50.0	60.0	63.4	80.0	87.5	56.7
F	45.2	42.5	50.7	57.8	53.5	66.7	58.3	51.6
T	50.6	44.1	50.4	58.7	58.3	71.6	65.6	53.9
162 M	70.3	68.1	65.3	71.1	85.4	80.0	75.0	72.8
F	66.7	76.7	74.0	73.4	76.7	78.6	83.3	74.1
T	68.4	72.4	72.7	72.5	81.0	79.1	81.3	73.5
164 M	48.7	50.0	51.5	64.4	51.2	56.0	62.5	52.8
F	52.4	41.1	43.8	46.9	48.8	54.8	45.8	47.3
T	50.6	45.5	47.5	54.1	50.0	55.2	50.0	49.8
168 M	28.4	26.4	24.2	15.6	24.4	36.0	25.0	25.3
F	23.8	23.3	27.4	25.0	9.3	26.2	16.7	22.8
T	25.9	24.8	25.9	21.1	16.7	29.9	18.8	23.9

APPENDIX II (a)

7.

<u>Item #</u>	<u>60-64</u>	<u>65-69</u>	<u>70-74</u>	<u>75-79</u>	<u>80-84</u>	<u>85-89</u>	<u>90+</u>	<u>Total</u>
170 M	29.7	29.2	39.4	37.8	34.2	60.0	50.0	35.9
F	54.8	53.4	65.8	57.8	76.7	52.4	70.8	60.0
T	43.0	41.4	53.2	49.5	56.0	55.2	65.6	49.1
171 M	29.7	30.6	31.8	33.3	24.4	60.0	37.5	32.9
F	44.1	54.8	56.2	51.6	67.4	57.1	70.8	54.8
T	37.3	43.4	44.6	44.0	46.4	58.2	62.5	44.9
172 M	13.5	5.6	10.6	6.7	17.1	12.0	0	10.2
F	4.8	17.8	6.9	9.4	7.0	7.1	8.3	8.9
T	8.9	11.7	8.6	8.3	11.9	9.0	6.3	9.5
173 M	25.7	31.9	39.4	26.7	39.0	36.0	0	31.4
F	31.0	23.3	30.1	31.3	39.5	38.1	25.0	30.9
T	28.5	26.9	34.5	29.4	39.3	37.3	21.9	31.0
176 M	21.6	18.1	27.3	22.2	42.9	52.0	37.5	27.4
F	20.2	23.3	24.7	34.4	32.6	40.5	33.3	28.0
T	20.9	20.7	25.9	29.4	38.1	44.8	34.4	27.7

APPENDIX II (b)

PERCENTAGE OF "NO" RESPONSES BY AGE GROUPS TO SELECTED QUESTIONS

A	B		Age 60-69	Age 70-79	Age 80+	Total	A	B		Age 60-69	Age 70-79	Age 80+	Total
29	30	M	78	72	72	75	29	59	M	31	48	33	37
		F	76	84	78	79			F	30	39	67	41
		T	77	80	76	78			T	30	42	53	40
29	40	M	47	68	56	56	29	62	M	25	40	22	29
		F	50	68	74	62			F	20	34	33	28
		T	49	68	67	60			T	22	36	29	29
29	42	M	25	32	17	25	29	63	M	66	60	61	63
		F	42	32	15	32			F	62	70	52	39
		T	35	32	16	30			T	63	67	56	63
29	51	M	25	40	44	35	29	65	M	17	16	22	17
		F	22	32	33	28			F	36	36	22	33
		T	23	35	38	31			T	28	29	22	27
29	52	M	34	36	22	32	29	66	M	72	80	61	72
		F	28	48	41	38			F	64	70	52	64
		T	30	43	33	36			T	67	74	56	67
29	53	M	68	44	56	48	29	67	M	28	44	39	36
		F	58	59	37	54			F	32	30	42	32
		T	54	54	44	52			T	30	35	38	34
29	54	M	25	16	22	21	29	68	M	40	72	72	59
		F	22	16	15	18			F	60	68	40	64
		T	23	16	18	19			T	52	70	69	62
29	55	M	38	48	28	39	29	70	M	13	52	33	31
		F	22	20	19	21			F	26	25	26	26
		T	28	30	22	28			T	21	35	27	28
29	56	M	28	36	39	33	29	106	M	22	20	39	25
		F	28	16	22	22			F	36	39	11	31
		T	28	23	29	27			T	30	32	22	29
29	58	M	25	24	22	24	29	111	M	19	20	17	19
		F	20	14	19	17			F	34	23	11	25
		T	22	17	20	20			T	28	22	13	22

A	B		Age 60-69	Age 70-79	Age 80+	Total	A	B		60-69	70-79	80+	Total
29	112	M	41	44	56	45	30	42	M	26	33	15	26
		F	30	43	33	36			F	45	36	17	36
		T	34	43	42	39			T	38	35	16	32
29	140	M	28	32	39	32	30	51	M	26	51	30	36
		F	24	32	37	30			F	23	35	40	43
		T	26	32	38	31			T	24	41	36	33
29	144	M	22	24	28	24	30	52	M	35	36	5	29
		F	26	25	33	27			F	35	56	40	44
		T	24	25	31	26			T	35	48	26	38
29	145	M	47	32	67	47	30	53	M	49	39	50	45
		F	24	30	48	31			F	61	58	36	60
		T	33	30	56	37			T	56	50	56	54
29	148	M	28	40	50	37	30	54	M	26	10	20	19
		F	24	41	37	33			F	15	15	10	14
		T	26	41	42	35			T	19	13	14	16
29	153	M	3	4	6	4	30	55	M	33	44	25	35
		F	2	7	15	7			F	29	25	20	26
		T	2	6	11	7			T	30	33	22	30
29	154	M	22	40	22	28	30	56	M	26	26	35	27
		F	20	25	56	30			F	30	16	30	25
		T	21	30	42	29			T	28	20	32	26
29	155	M	75	88	67	77	30	58	M	19	18	25	20
		F	66	86	93	79			F	26	15	13	19
		T	70	87	82	79			T	23	16	18	19
29	171	M	41	36	67	45	30	59	M	35	44	55	42
		F	46	66	89	63			F	26	42	60	38
		T	44	55	80	56			T	29	43	58	40
29	173	M	34	56	39	43	30	62	M	21	21	25	22
		F	36	39	52	40			F	21	40	30	30
		T	35	45	47	41			T	21	32	28	26
30	40	M	42	74	40	54	30	63	M	63	51	40	54
		F	58	71	73	66			F	59	60	50	58
		T	51	72	60	61			T	61	56	46	56

A	B		Age 60-69	Age 70-79	Age 80+	Total	A	B		Age 60-69	Age 70-79	Age 80+	Total
30	65	M	15	15	25	16	30	148	M	23	31	55	32
		F	35	25	23	29			F	27	42	30	33
		T	26	21	24	24			T	26	37	40	33
30	66	M	70	64	45	63	30	153	M	2	5	5	3
		F	64	58	50	59			F	2	7	17	7
		T	66	61	48	60			T	2	6	12	6
30	67	M	26	33	15	26	30	154	M	23	41	30	31
		F	27	31	23	28			F	20	22	60	28
		T	27	32	20	27			T	21	51	48	30
30	68	M	56	69	65	63	30	155	M	77	80	25	68
		F	59	67	63	63			F	70	50	40	75
		T	58	68	64	63			T	72	83	50	72
30	70	M	9	39	40	28	30	171	M	44	49	55	48
		F	24	20	27	23			F	58	67	57	61
		T	20	28	32	25			T	52	60	56	56
30	106	M	42	23	30	32	30	173	M	35	56	45	45
		F	30	29	17	27			F	33	40	43	38
		T	35	27	22	29			T	34	47	44	41
30	111	M	19	8	5	12	56	58	M	68	79	37	64
		F	29	20	13	23			F	56	58	38	52
		T	25	15	10	18			T	62	63	38	58
30	112	M	40	33	45	38	56	70	M	22	46	32	32
		F	33	35	37	34			F	23	42	29	30
		T	36	34	40	36			T	22	44	30	31
30	140	M	26	28	30	27	59	61	M	13	30	36	26
		F	21	29	27	25			F	31	38	40	37
		T	23	29	28	26			T	23	34	39	33
30	144	M	23	18	25	22	59	62	M	42	45	39	42
		F	26	24	27	25			F	60	55	46	53
		T	25	21	26	24			T	52	51	43	48
30	145	M	37	41	60	43	59	70	M	10	28	32	24
		F	21	29	57	31			F	17	19	14	17
		T	28	34	58	36			T	14	23	21	20

A	B		Age 60-69	Age 70-79	Age 80+	Total	A	B		Age 60-69	Age 70-79	Age 80+	Total
77	78	M	35	32	41	35	77	147	M	55	38	50	48
		F	39	46	66	46			F	34	30	25	31
		T	38	41	56	42			T	41	33	35	37
77	84	M	28	24	36	28	77	150	M	35	26	45	34
		F	53	32	36	42			F	26	37	47	33
		T	26	21	30	25			T	29	33	46	34
77	91	M	15	53	27	31	77	151	M	35	26	59	38
		F	7	16	19	12			F	27	42	47	36
		T	10	30	22	19			T	30	36	52	36
77	93	M	58	59	55	57	77	154	M	20	50	50	38
		F	58	63	88	65			F	18	23	56	26
		T	58	62	74	62			T	18	33	54	30
77	94	M	15	24	14	18	77	156	M	23	41	41	33
		F	6	9	19	9			F	28	46	59	40
		T	9	14	17	12			T	26	44	52	37
77	96	M	43	35	27	36	77	162	M	75	71	86	76
		F	20	21	22	21			F	67	82	88	76
		T	27	26	24	26			T	70	78	87	76
77	112	M	55	26	32	40	77	164	M	48	59	45	51
		F	28	33	34	31			F	49	47	53	49
		T	37	31	33	34			T	49	52	50	50
77	130	M	28	18	9	20	77	168	M	33	24	36	30
		F	20	12	13	16			F	24	33	9	24
		T	22	14	11	17			T	26	30	20	26
77	140	M	76	12	32	15	77	170	M	18	32	41	28
		F	12	21	28	18			F	47	60	75	56
		T	10	18	30	17			T	38	49	61	46
77	145	M	30	53	91	31	77	172	M	10	6	27	13
		F	13	28	31	21			F	9	9	6	9
		T	18	26	37	25			T	10	8	15	10
77	146	M	60	50	73	59	77	173	M	33	32	86	34
		F	46	56	72	54			F	29	37	44	34
		T	50	54	72	56			T	30	35	43	34

A	B		Age 60-69	Age 70-79	Age 80+	Total	A	B		Age 60-69	Age 70-79	Age 80+	Total
77	176	M	28	38	50	36	78	147	M	58	50	55	55
		F	21	30	34	26			F	36	23	13	26
		T	23	33	41	30			T	43	32	26	35
78	84	M	37	14	36	30	78	150	M	32	29	36	32
		F	21	27	33	26			F	26	50	38	37
		T	26	23	34	27			T	28	43	37	35
78	91	M	21	50	27	32	78	151	M	32	43	46	39
		F	5	7	8	6			F	31	47	46	40
		T	10	20	14	15			T	31	45	46	39
78	93	M	58	57	45	55	78	154	M	37	64	64	52
		F	49	57	88	61			F	21	23	50	29
		T	52	57	74	59			T	26	36	54	36
78	94	M	16	43	18	25	78	156	M	5	57	36	30
		F	13	7	25	14			F	23	37	46	33
		T	14	18	23	18			T	17	43	43	32
78	96	M	42	43	18	36	78	162	M	63	86	91	77
		F	31	27	21	27			F	64	63	88	70
		T	34	32	20	30			T	64	70	89	72
78	112	M	42	14	27	30	78	164	M	58	50	46	52
		F	21	43	33	31			F	44	47	38	43
		T	28	34	31	31			T	48	48	40	46
78	130	M	16	14	9	14	78	168	M	21	21	36	25
		F	26	13	17	19			F	23	43	4	25
		T	22	14	14	18			T	22	36	14	25
78	140	M	16	29	46	27	78	170	M	21	50	55	39
		F	23	13	42	25			F	49	53	79	58
		T	21	18	43	26			T	40	52	71	52
78	145	M	32	29	46	34	78	172	M	16	0	18	11
		F	13	17	21	16			F	5	7	4	5
		T	19	20	29	22			T	9	5	9	7
78	146	M	63	64	91	70	78	173	M	21	43	46	34
		F	62	57	71	62			F	31	37	33	33
		T	62	59	77	65			T	28	39	37	34

APPENDIX II (b)

6.

A	B		Age 60-69	Age 70-79	Age 80+	Total	A	B		Age 69-69	Age 79-79	Age 80+	Total
78	176	M	5	29	55	25	96	115	M	69	63	75	68
		F	23	40	38	32			F	56	59	62	58
		T	17	36	43	30			T	63	61	69	64
96	98	M	17	20	0	15	96	116	M	75	33	81	63
		F	25	7	8	16			F	72	67	77	71
		T	20	14	3	15			T	80	49	79	66
96	99	M	77	70	13	74	96	122	M	65	53	63	61
		F	58	44	62	54			F	58	59	46	57
		T	69	58	69	65			T	62	56	55	59
96	104	M	27	50	44	37	96	123	M	33	37	19	32
		F	56	41	62	51			F	44	41	38	42
		T	39	46	52	44			T	38	39	28	36
96	105	M	8	13	25	13	96	124	M	44	23	50	38
		F	19	19	31	21			F	25	15	23	21
		T	13	16	28	16			T	36	19	38	31
96	106	M	17	27	38	23	96	125	M	42	27	13	32
		F	39	41	31	38			F	31	15	23	24
		T	26	33	34	30			T	37	21	17	28
96	109	M	29	37	38	33	96	130	M	35	20	13	27
		F	42	37	31	38			F	28	15	23	22
		T	35	37	34	35			T	32	18	17	25
96	110	M	13	23	25	18	96	140	M	17	17	31	19
		F	14	30	23	21			F	19	15	46	22
		T	13	26	24	19			T	18	16	38	21
96	111	M	17	20	31	20	96	176	M	27	27	56	32
		F	31	19	15	24			F	42	44	54	45
		T	23	19	24	22			T	33	35	55	38
96	112	M	48	30	50	43	112	113	M	98	100	100	98
		F	33	37	54	38			F	100	97	100	99
		T	42	33	52	41			T	99	99	100	99
96	114	M	38	30	50	37	112	114	M	24	36	33	30
		F	25	33	62	34			F	21	9	30	28
		T	32	32	55	36			T	23	34	32	29

A	B		Age 60-69	Age 70-79	Age 80+	Total	A	B		Age 60-69	Age 70-79	Age 80+	Total
112	115	M	79	68	54	69	112	146	M	74	57	71	68
		F	76	70	70	72			F	69	67	73	69
		T	77	69	63	71			T	72	63	72	69
112	116	M	94	79	71	84	112	147	M	46	50	46	47
		F	93	88	85	89			F	36	44	30	37
		T	93	85	79	87			T	41	46	37	42
112	118	M	0	0	13	3	112	150	M	58	46	46	52
		F	17	14	21	17			F	48	79	55	61
		T	8	8	18	11			T	53	66	51	57
112	122	M	87	68	67	77	112	151	M	37	43	63	45
		F	62	62	45	57			F	36	56	42	45
		T	75	63	54	66			T	36	51	51	45
112	123	M	37	32	33	35	112	154	M	20	29	38	27
		F	43	53	27	42			F	23	35	55	36
		T	40	45	30	39			T	22	32	47	32
112	124	M	59	50	50	54	112	155	M	80	82	83	82
		F	36	30	39	35			F	79	77	79	78
		T	48	38	44	44			T	80	79	81	80
112	125	M	50	36	8	36	112	160	M	52	64	83	63
		F	48	16	21	29			F	52	56	64	57
		T	49	24	16	32			T	52	59	72	60
112	130	M	44	25	17	32	112	162	M	72	86	83	79
		F	48	14	24	29			F	86	79	85	83
		T	45	18	21	30			T	78	82	84	81
112	134	M	13	11	0	9	112	164	M	52	71	63	60
		F	7	5	3	5			F	62	47	61	56
		T	10	7	2	7			T	57	56	61	58
112	135	M	4	11	0	5	112	168	M	33	32	38	34
		F	7	5	0	4			F	29	37	21	30
		T	6	7	0	5			T	31	35	28	31
112	145	M	41	29	54	41	112	170	M	41	50	50	46
		F	33	40	58	42			F	40	65	73	58
		T	38	35	56	42			T	41	59	63	53

A	B		Age 60-69	Age 70-79	Age 80+	Total	A	B		Age 60-69	Age 70-79	Age 80+	Total
112	171	M	44	46	33	42	114	146	M	63	77	72	71
		F	43	65	73	59			F	77	80	79	79
		T	43	58	56	51			T	70	79	76	75
112	172	M	20	11	17	16	114	147	M	47	51	40	47
		F	19	21	15	19			F	54	36	29	40
		T	19	17	16	18			T	51	43	35	44
112	176	M	39	39	67	46	114	150	M	26	36	32	31
		F	38	44	58	46			F	34	42	67	45
		T	39	42	61	46			T	30	39	49	38
114	118	M	3	0	8	3	114	151	M	24	46	48	38
		F	20	18	21	19			F	37	50	58	48
		T	11	10	14	11			T	30	48	53	43
114	122	M	61	67	68	65	114	154	M	18	31	36	27
		F	46	48	50	48			F	14	22	67	29
		T	53	56	59	56			T	16	26	51	28
114	123	M	50	41	40	44	114	164	M	58	77	76	70
		F	37	40	29	37			F	69	66	63	66
		T	44	40	35	40			T	63	71	69	68
114	124	M	18	26	28	24	114	168	M	29	28	36	30
		F	9	8	17	10			F	43	32	21	33
		T	14	16	23	17			T	36	30	29	32
114	125	M	26	15	0	16	114	170	M	34	46	56	44
		F	20	12	21	17			F	66	52	75	61
		T	23	13	10	16			T	49	49	65	53
114	130	M	21	15	8	16	114	171	M	32	36	36	34
		F	17	8	21	14			F	57	42	79	55
		T	19	11	14	15			T	44	39	57	45
114	140	M	18	23	20	21	114	172	M	8	15	12	12
		F	26	32	50	34			F	17	8	17	13
		T	22	28	35	27			T	12	11	14	12
114	145	M	53	49	52	51	115	118	M	1	0	4	1
		F	29	38	50	38			F	18	21	17	19
		T	41	43	51	44			T	9	11	12	11

A	B		Age 60-69	Age 70-79	Age 80+	Total	A	B		Age 60-69	Age 70-79	Age 80+	Total
115	122	M	77	71	78	75	115	154	M	24	34	31	29
		F	61	62	56	60			F	16	25	51	28
		T	69	66	65	67			T	20	29	42	28
115	123	M	38	36	33	36	115	164	M	56	62	71	61
		F	39	47	25	38			F	57	54	58	56
		T	39	42	29	37			T	56	58	63	58
115	124	M	50	43	47	47	115	168	M	32	27	38	32
		F	23	18	32	23			F	28	27	22	26
		T	36	29	38	34			T	30	27	29	29
115	125	M	25	16	4	18	115	170	M	25	40	47	34
		F	22	7	14	15			F	56	55	56	56
		T	23	11	10	16			T	40	48	52	46
115	130	M	22	11	7	15	115	171	M	25	34	40	31
		F	19	4	14	12			F	51	49	69	55
		T	18	7	11	13			T	38	42	57	44
115	140	M	11	18	22	16	115	172	M	9	11	16	11
		F	19	27	31	25			F	13	11	10	11
		T	15	23	27	20			T	11	11	13	11
115	145	M	33	37	64	41	116	118	M	1	0	9	2
		F	21	36	46	33			F	15	19	19	17
		T	27	37	54	37			T	9	10	15	11
115	146	M	64	56	73	63	116	122	M	76	75	76	76
		F	64	69	71	68			F	61	62	52	59
		T	64	63	72	66			T	65	41	61	66
115	147	M	42	49	51	47	116	123	M	35	37	32	35
		F	38	35	36	36			F	39	48	33	40
		T	40	42	42	41			T	37	43	32	38
115	150	M	29	33	42	33	116	124	M	54	49	50	51
		F	36	44	53	43			F	30	28	43	33
		T	29	39	48	38			T	41	37	46	41
115	151	M	21	37	49	32	116	125	M	25	16	6	18
		F	27	46	39	37			F	25	11	10	16
		T	24	42	43	35			T	25	13	8	17

A	B		Age 60-69	Age 70-79	Age 80+	Total	A	B		Age 60-69	Age 70-79	Age 80+	Total
116	130	M	21	11	7	15	116	171	M	30	28	39	31
		F	19	6	10	12			F	42	50	43	53
		T	20	8	9	13			T	36	41	58	43
116	140	M	12	19	22	16	116	172	M	10	11	15	11
		F	16	25	22	21			F	13	9	8	10
		T	14	22	22	19			T	11	10	11	11
116	145	M	32	40	54	39	122	125	M	29	14	7	19
		F	19	33	42	30			F	27	10	11	17
		T	25	36	47	34			T	28	12	9	18
116	146	M	61	54	72	61	122	130	M	24	14	7	17
		F	57	67	69	63			F	20	6	11	13
		T	58	62	70	62			T	22	10	9	15
116	147	M	38	46	54	44	122	140	M	14	14	21	16
		F	39	36	39	38			F	15	19	20	18
		T	39	40	45	41			T	14	17	21	17
116	150	M	30	31	41	33	122	147	M	40	41	49	42
		F	32	47	49	42			F	43	30	27	35
		T	31	40	46	37			T	41	36	38	39
116	151	M	24	36	46	33	122	150	M	32	33	37	34
		F	28	42	35	34			F	31	46	50	41
		T	26	39	39	34			T	31	40	44	37
116	154	M	25	31	37	30	122	151	M	22	38	49	33
		F	16	23	47	27			F	29	41	30	34
		T	21	26	43	28			T	25	40	39	33
116	164	M	51	61	63	57	122	164	M	54	64	70	60
		F	52	49	52	51			F	57	56	32	58
		T	51	54	56	53			T	55	60	67	59
116	168	M	30	27	37	31	122	168	M	31	25	37	30
		F	29	32	19	27			F	32	30	14	27
		T	29	30	26	29			T	31	28	25	29
116	170	M	29	36	46	34	123	125	M	26	16	0	17
		F	51	57	66	57			F	22	12	9	15
		T	40	48	58	47			T	24	13	56	16

A	B		Age 60-69	Age 70-79	Age 80+	Total	A	B		Age 60-69	Age 70-79	Age 80+	Total
123	130	M	26	18	0	18	124	150	M	29	22	28	27
		F	17	12	9	13			F	29	50	34	36
		T	21	14	6	15			T	29	33	32	31
123	140	M	17	13	20	16	124	151	M	27	28	41	30
		F	15	25	21	20			F	26	41	25	30
		T	16	20	20	18			T	26	33	32	30
123	147	M	37	40	40	38	124	164	M	49	50	56	51
		F	43	27	29	34			F	45	34	50	44
		T	40	32	33	36			T	47	44	53	48
123	150	M	33	32	55	37	124	168	M	29	16	31	25
		F	30	46	50	41			F	24	25	9	19
		T	31	40	52	39			T	27	20	18	22
123	151	M	17	26	60	29	125	130	M	76	60	33	70
		F	22	38	32	31			F	79	60	89	75
		T	20	33	43	30			T	77	60	75	73
123	164	M	61	55	70	61	125	140	M	18	27	33	21
		F	54	54	59	55			F	15	27	56	25
		T	57	54	63	57			T	17	27	50	23
123	168	M	30	24	30	28	125	147	M	45	40	67	45
		F	31	31	18	28			F	27	7	44	25
		T	31	28	22	28			T	37	23	50	35
124	125	M	29	8	9	18	125	150	M	55	40	0	48
		F	21	13	9	14			F	36	40	10	47
		T	26	10	9	16			T	46	40	75	48
124	130	M	24	8	13	16	125	157	M	79	93	67	82
		F	17	6	11	12			F	73	80	10	79
		T	21	7	12	14			T	76	87	92	81
124	140	M	9	8	13	9	125	160	M	50	67	100	67
		F	10	9	11	10			F	55	53	67	56
		T	9	9	12	10			T	52	60	75	57
124	147	M	35	34	50	38	125	162	M	66	73	100	70
		F	33	34	41	36			F	79	73	88	79
		T	35	34	45	37			T	72	73	92	74

A	B		Age 60-69	Age 70-79	Age 80+	Total	A	B		Age 60-69	Age 70-79	Age 80+	Total
125	164	M	53	60	67	55	140	160	M	81	50	78	70
		F	52	20	89	49			F	50	59	68	59
		T	52	40	83	52			T	65	56	72	64
125	170	M	29	40	33	32	140	162	M	81	94	100	91
		F	39	73	56	51			F	91	78	84	84
		T	34	57	50	42			T	86	84	91	87
125	171	M	37	33	33	36	140	164	M	57	61	56	58
		F	45	53	44	47			F	59	56	72	62
		T	41	43	42	42			T	58	58	65	60
125	172	M	21	20	67	23	140	168	M	29	28	44	33
		F	24	7	11	18			F	27	41	20	30
		T	23	13	25	20			T	28	36	30	32
140	145	M	57	50	72	60	140	170	M	48	61	61	56
		F	41	56	60	53			F	77	88	84	84
		T	49	54	65	56			T	62	78	74	72
140	146	M	86	83	89	86	140	171	M	52	67	56	58
		F	86	88	84	86			F	55	72	84	71
		T	86	86	86	86			T	53	70	72	65
140	147	M	76	67	67	70	140	172	M	24	11	11	16
		F	59	53	36	49			F	9	3	4	5
		T	67	58	49	58			T	16	6	7	10
140	150	M	48	33	44	42	164	168	M	36	30	43	35
		F	45	50	60	52			F	39	31	27	33
		T	47	44	53	48			T	38	30	34	34
140	154	M	38	56	33	42	170	171	M	88	70	72	77
		F	23	38	68	43			F	82	79	82	81
		T	30	44	53	43			T	84	76	79	80
140	156	M	33	78	50	53	170	172	M	23	16	22	20
		F	50	59	56	56			F	14	7	6	9
		T	42	66	53	54			T	17	10	11	13
140	157	M	100	94	94	96							
		F	95	10	88	95							
		T	98	98	91	96							

APPENDIX II (c)

PERCENTAGE OF "NO" RESPONSES RELATED TO TYPE OF COMMUNITY, AGE OF LOSS OF VISION, AND AMOUNT OF VISION

		<u>Address</u>			<u>Age of Loss of Vision</u>			<u>Amount of Vision</u>			
		Urban	Sub-urban	Rural	To 20 yrs.	21-49 yrs.	50+ yrs.	0-1-2	3-4	5-6 7-8	Total
29	M	28.5	21.5	9.7	9.1	24.4	22.6	20.0	28.5	20.6	22.6
	F	30.7	31.7	14.7	34.2	31.1	29.2	27.7	35.4	27.0	30.0
	T	29.7	27.1	12.3	28.5	27.5	26.2	24.5	32.5	24.0	26.7
30	M	31.4	32.8	16.1	36.4	30.2	30.7	30.6	34.0	29.0	30.8
	F	39.2	37.6	29.4	31.6	43.4	36.7	32.4	40.1	38.6	37.4
	T	35.7	35.4	23.0	32.6	36.2	34.0	31.6	37.6	33.9	34.4
40	M	47.6	53.8	67.7	54.5	48.8	54.7	60.0	51.6	50.9	53.2
	F	49.2	64.4	88.2	44.7	52.7	67.6	61.1	66.1	61.3	62.7
	T	48.5	60.8	78.4	46.9	50.6	61.9	60.6	60.0	56.1	58.4
42	M	13.3	16.4	12.9	9.1	10.4	17.0	17.3	16.4	13.3	15.1
	F	16.1	26.7	17.7	10.5	6.8	28.1	21.2	24.4	22.0	22.5
	T	14.8	22.1	15.3	10.2	8.7	23.2	19.6	21.1	17.7	19.2
51	M	16.1	22.0	19.4	18.2	17.4	20.9	16.0	23.0	20.0	19.9
	F	17.6	19.2	17.7	23.7	13.5	19.2	13.6	18.8	21.4	18.6
	T	17.0	20.5	18.4	22.4	15.6	20.0	14.7	20.6	20.7	19.2
52	M	21.9	21.0	22.6	9.1	23.2	21.4	25.3	13.1	24.2	21.5
	F	35.3	27.6	29.4	31.6	29.7	30.2	22.2	40.1	27.9	30.2
	T	29.3	24.6	26.1	26.5	26.2	26.2	23.4	28.8	26.1	26.2
53	M	28.5	30.7	25.8	9.1	25.5	32.1	28.0	31.8	29.0	29.6
	F	40.7	38.4	35.3	26.3	29.7	42.9	27.7	51.1	36.9	38.9
	T	35.3	35.0	30.7	22.4	27.5	38.0	27.8	43.1	33.0	34.7
54	M	28.5	23.5	41.9	18.2	33.7	24.8	33.3	28.5	23.0	26.9
	F	16.1	17.5	38.2	15.8	23.0	18.2	18.5	18.1	19.6	18.8
	T	21.7	20.2	40.0	16.3	28.7	21.1	24.5	22.4	21.3	22.4
55	M	21.9	20.0	22.6	9.1	23.2	20.5	20.0	25.2	18.7	20.8
	F	16.9	14.2	17.7	15.8	16.2	15.1	13.8	19.6	13.0	15.3
	T	19.1	16.8	20.0	14.2	20.0	17.5	16.3	22.0	15.9	17.8

		<u>Address</u>			<u>Age of Loss of Vision</u>			<u>Amount of Vision</u>			
		Sub-			To	21-49	50+	5-6			
		Urban	urban	Rural	20 yrs.	yrs.	yrs.	0-1-2	3-4	7-8	Total
56	M	31.4	22.0	25.8	36.4	22.0	26.1	28.0	25.2	24.2	25.4
	F	25.3	17.1	29.4	15.8	27.0	19.9	22.2	18.1	22.0	20.8
	T	38.0	19.3	27.6	20.4	24.3	22.6	24.5	21.1	23.1	22.8
58	M	25.7	13.3	12.9	9.1	17.4	17.5	17.3	19.7	15.7	17.2
	F	10.7	12.5	17.7	10.5	18.9	10.9	13.8	8.6	14.2	12.4
	T	17.4	12.9	15.3	10.2	18.1	13.9	15.3	13.3	15.0	14.5
59	M	33.3	28.7	35.5	45.5	31.3	31.2	34.6	27.4	30.9	30.8
	F	33.0	33.0	50.0	31.6	32.4	35.3	27.7	38.5	35.7	34.4
	T	33.1	31.1	43.0	34.6	30.0	33.5	30.6	33.9	33.3	32.8
61	M	13.3	7.6	6.5	9.1	5.8	10.7	9.3	9.8	9.0	9.4
	F	19.2	10.8	20.6	10.5	21.6	13.0	17.5	11.8	14.2	14.3
	T	16.5	9.4	13.8	10.2	13.1	12.0	14.2	11.0	11.7	12.1
62	M	21.9	16.4	12.9	18.2	17.4	17.9	20.0	14.2	18.7	17.8
	F	26.1	20.0	23.5	21.1	21.6	22.6	20.3	24.4	22.0	22.3
	T	24.2	18.4	18.4	20.4	19.3	20.5	20.0	20.1	20.4	20.2
63	M	61.9	44.1	45.2	27.3	43.0	53.4	46.6	46.1	53.3	49.8
	F	46.9	57.3	41.2	47.4	54.1	52.9	50.0	56.6	51.1	52.6
	T	53.6	51.3	43.0	42.8	48.1	53.1	48.6	52.2	52.2	51.3
65	M	15.2	12.8	0	18.2	13.9	11.5	14.6	14.2	10.3	12.4
	F	26.9	20.5	29.4	29.0	24.3	22.3	18.5	23.6	26.1	23.3
	T	21.7	17.0	15.3	26.5	18.7	17.5	16.9	19.7	18.3	18.3
66	M	68.5	54.8	41.9	63.6	58.1	57.6	53.3	62.6	57.5	58.0
	F	52.3	63.1	52.9	60.5	63.5	57.3	54.6	64.5	57.1	58.8
	T	59.5	59.4	47.6	61.2	60.6	57.5	54.0	63.7	57.3	58.4
67	M	33.3	26.1	29.0	45.5	24.4	29.5	30.6	34.0	24.8	28.7
	F	24.6	33.0	32.4	18.4	21.6	34.0	25.0	26.7	36.3	30.2
	T	28.5	29.9	30.7	24.4	23.1	32.0	27.3	29.8	30.6	29.5
68	M	76.1	59.4	51.6	54.5	50.0	69.6	60.0	65.9	64.8	64.0
	F	64.6	65.6	58.8	47.4	48.7	71.1	56.4	68.5	67.2	64.7
	T	69.7	62.9	55.3	48.9	49.3	70.4	57.9	67.4	66.0	67.1

		<u>Address</u>			<u>Age of Loss of Vision</u>			<u>Amount of Vision</u>			
		Urban	Sub-urban	Rural	To 20 yrs.	21-49 yrs.	50+ yrs.	0-1-2	3-4	5-6 7-8	Total
70	M	27.6	17.4	12.9	18.2	12.7	23.1	14.6	29.6	17.5	20.2
	F	22.3	17.9	8.8	26.3	21.6	16.8	16.6	16.5	21.4	18.6
	T	24.6	17.7	10.7	24.4	16.8	19.6	15.8	22.0	19.5	19.3
77	M	38.0	25.6	16.1	45.5	27.9	28.6	28.0	28.5	29.6	29.0
	F	47.6	41.8	35.3	44.7	52.7	40.5	34.2	43.3	48.8	43.1
	T	43.8	34.5	26.1	44.8	39.3	35.2	31.6	37.1	39.3	36.7
78	M	18.0	11.2	9.7	27.3	19.7	10.3	14.6	10.9	13.9	13.3
	F	26.1	22.1	17.7	21.1	20.3	24.0	13.8	26.7	26.1	23.0
	T	22.5	17.2	13.8	22.4	20.0	17.9	14.2	20.1	20.1	18.6
84	M	20.9	14.3	9.7	27.3	16.2	15.4	20.0	14.2	15.1	16.0
	F	18.4	19.6	11.8	15.8	14.9	19.9	16.6	23.6	16.0	18.6
	T	19.5	17.2	10.7	18.3	15.6	17.9	18.0	19.7	15.6	17.4
91	M	48.5	45.6	51.6	36.4	51.1	46.1	54.6	45.0	44.8	47.1
	F	30.7	39.7	38.2	26.3	29.7	39.8	47.2	32.2	33.3	36.7
	T	38.7	42.3	44.6	28.5	41.2	42.6	50.2	37.6	39.0	41.4
93	M	61.9	69.7	77.4	54.5	65.1	69.6	76.0	68.1	64.2	68.0
	F	63.0	92.0	8.8	55.3	62.2	81.4	77.7	81.1	70.0	75.6
	T	62.5	82.0	41.5	57.1	63.7	76.1	77.0	75.6	67.2	72.2
94	M	26.6	34.3	58.1	27.3	31.3	35.5	34.6	34.0	33.9	34.1
	F	14.6	29.7	29.4	7.9	14.9	29.5	22.2	29.9	22.6	24.8
	T	20.0	31.7	43.0	12.2	23.7	32.1	27.3	31.6	28.2	29.0
96	M	33.3	26.1	25.8	45.5	27.9	27.8	25.3	29.6	29.0	28.4
	F	20.0	18.4	17.7	15.8	17.6	19.5	20.3	19.6	17.2	18.8
	T	25.9	21.8	21.5	22.4	23.1	23.2	22.4	23.8	23.1	23.1
98	M	16.1	16.4	6.5	36.4	27.9	9.8	26.6	14.2	10.9	15.4
	F	27.6	20.5	5.9	50.0	31.1	15.4	32.4	15.7	19.0	21.5
	T	22.5	18.6	6.1	46.9	29.3	12.9	30.0	15.1	15.0	18.8
99	M	71.4	77.9	80.7	54.5	68.6	79.9	72.0	73.6	79.3	76.1
	F	57.6	76.5	73.5	42.1	71.6	73.5	66.6	71.6	71.4	70.2
	T	63.8	77.1	76.9	44.8	70.0	76.3	68.8	72.4	75.3	72.8

APPENDIX II (c)

4.

		<u>Address</u>			<u>Age of Loss of Vision</u>			<u>Amount of Vision</u>			
		Urban	Sub-urban	Rural	To 20 yrs.	21-49 yrs.	50+ yrs.	0-1-2	3-4	5-6 7-8	Total
104	M	31.4	22.0	12.9	18.2	25.5	23.9	21.3	27.4	23.6	24.1
	F	23.3	35.1	29.4	23.7	33.8	30.5	35.1	36.2	23.2	30.5
	T	26.3	29.2	21.5	22.4	29.3	27.6	29.5	32.5	23.4	27.6
105	M	13.3	6.6	16.1	9.1	6.9	10.6	8.0	9.8	10.3	9.6
	F	12.3	11.7	8.8	7.9	10.8	12.3	11.1	15.7	8.9	11.6
	T	12.7	9.4	12.3	8.1	8.7	11.6	9.8	13.3	9.6	10.7
106	M	22.8	24.6	32.3	9.1	18.6	27.7	18.6	26.3	26.6	24.7
	F	27.6	33.0	29.4	23.7	27.0	32.9	31.4	30.7	30.9	31.0
	T	25.5	29.2	30.7	20.4	22.5	30.6	26.2	28.8	28.8	28.2
109	M	25.7	33.3	45.2	27.3	27.9	33.7	29.3	26.3	36.3	32.0
	F	32.3	32.2	44.1	39.5	32.4	32.6	35.1	30.7	33.9	33.2
	T	29.3	32.7	44.6	36.7	30.0	33.1	32.7	28.8	35.1	32.6
110	M	17.1	22.5	25.8	27.3	19.7	21.3	20.0	18.6	23.0	21.1
	F	23.8	28.4	29.4	18.4	29.7	27.4	27.7	23.6	29.1	21.0
	T	20.8	25.8	27.6	20.4	24.3	24.7	24.5	21.5	26.1	24.3
111	M	21.9	12.8	16.1	0	15.1	17.0	16.0	24.1	11.5	16.0
	F	16.9	20.5	17.6	21.1	14.9	19.9	20.3	18.1	19.0	19.1
	T	19.1	17.0	16.9	16.3	15.0	18.6	18.5	20.6	15.3	17.7
112	M	37.1	29.2	6.5	18.2	23.2	32.4	24.0	36.2	28.4	29.6
	F	33.0	29.2	14.7	31.6	16.2	32.3	31.4	35.4	23.2	29.2
	T	34.8	29.2	10.7	28.5	20.0	32.3	28.4	35.7	55.8	29.4
113	M	94.2	91.2	87.1	81.8	88.3	93.5	86.6	92.3	93.9	91.8
	F	91.5	94.5	91.2	89.5	85.1	95.8	90.7	93.7	94.6	93.3
	T	8.9	93.0	89.2	87.7	86.8	94.8	89.0	93.1	94.2	92.6
114	M	40.9	24.6	35.5	36.4	37.2	28.2	29.3	40.6	26.0	30.8
	F	30.7	25.5	23.5	36.8	27.0	25.7	28.7	29.9	23.8	27.0
	T	35.3	25.1	29.2	36.7	32.5	26.8	28.9	34.4	24.9	28.7
115	M	84.7	56.4	51.6	54.5	66.2	64.9	61.3	63.7	67.2	64.9
	F	67.6	56.0	50.0	65.8	58.1	58.7	66.6	57.4	55.9	59.3
	T	75.3	56.2	50.7	63.2	62.5	61.5	64.4	14.2	61.5	61.8

		<u>Address</u>			<u>Age of Loss of Vision</u>			<u>Amount of Vision</u>			
		Urban	Sub-urban	Rural	To 20 yrs.	21-49 yrs.	50+ yrs.	0-1-2	3-4	5-6 7-8	Total
116	M	89.5	68.7	67.7	63.6	76.7	75.2	76.0	72.5	76.3	75.2
	F	85.3	72.8	61.8	81.6	75.6	75.2	78.7	75.5	74.4	75.9
	T	87.2	70.9	64.6	77.5	76.2	75.2	77.5	74.3	75.3	75.6
118	M	1.9	1.5	3.2	0	2.3	1.7	1.3	2.1	1.8	1.8
	F	17.6	15.4	17.6	47.4	13.5	13.0	25.0	15.7	11.3	16.3
	T	10.6	9.2	10.7	36.7	7.5	8.0	15.3	10.0	6.6	9.8
122	M	71.4	55.3	45.2	45.5	56.9	61.1	53.3	62.6	60.6	59.5
	F	53.0	43.0	29.4	29.0	37.8	49.1	43.5	40.9	49.4	45.1
	T	61.2	48.6	36.9	32.6	48.1	54.4	47.5	50.0	54.9	51.6
123	M	43.8	26.6	19.4	27.3	29.0	32.4	22.6	31.8	35.1	31.4
	F	46.1	29.7	26.5	26.3	32.4	36.4	36.1	33.8	34.5	34.7
	T	45.1	28.3	23.0	26.5	30.6	34.6	30.6	33.0	34.8	33.2
124	M	42.8	48.7	32.3	18.2	31.3	51.7	37.3	43.9	49.6	45.3
	F	27.6	30.5	26.5	7.9	20.3	34.3	24.0	25.9	35.1	29.2
	T	33.4	38.7	29.2	10.2	26.2	42.0	29.5	33.4	42.3	36.5
125	M	18.0	17.4	9.7	9.1	29.0	17.0	12.0	18.6	18.1	16.9
	F	13.8	13.3	20.6	21.1	10.8	14.0	15.7	17.3	10.7	14.1
	T	15.7	15.2	15.3	18.3	14.3	15.4	14.2	17.8	14.4	15.3
130	M	18.0	13.3	3.2	9.1	12.7	14.5	9.3	13.1	16.3	13.8
	F	10.7	15.5	14.7	13.2	9.5	12.7	12.9	15.7	8.9	12.1
	T	14.0	12.9	9.2	12.2	11.2	13.5	11.4	14.6	12.6	12.9
134	M	.9	4.6	0	0	2.3	3.4	2.6	1.0	4.2	3.0
	F	3.0	4.1	0	10.5	0	3.4	3.7	3.9	2.9	3.4
	T	2.1	4.3	0	8.1	1.2	3.4	3.2	2.7	3.6	3.2
135	M	1.9	1.5	0	0	1.1	1.7	1.3	1.0	1.8	1.5
	F	3.0	3.3	2.9	5.3	0	3.7	5.5	2.3	2.3	3.2
	T	2.5	2.5	1.5	4.0	.6	2.8	3.8	1.8	2.1	2.4
140	M	18.0	17.4	12.9	27.3	17.4	16.6	14.6	21.9	15.7	17.2
	F	19.2	17.9	32.4	13.2	18.9	20.6	18.5	23.6	17.2	19.6
	T	18.7	17.7	23.0	16.3	18.1	18.8	16.9	22.9	16.5	18.5

		<u>Address</u>			<u>Age of Loss of Vision</u>			<u>Amount of Vision</u>			
		Sub-			To	21-49	50+	5-6			
		Urban	urban	Rural	20 yrs.	yrs.	yrs.	0-1-2	3-4	7-8	Total
144	M	24.7	18.9	9.7	27.3	17.4	20.5	17.3	21.9	20.0	19.9
	F	17.6	20.0	17.7	15.8	16.2	20.2	18.5	21.2	17.8	19.1
	T	20.8	19.5	13.8	17.3	16.8	20.3	18.0	21.5	18.9	19.4
145	M	47.6	29.7	45.2	18.2	37.2	37.6	29.3	42.8	36.9	36.8
	F	30.0	26.7	29.4	26.3	25.7	28.8	36.1	25.9	24.4	28.0
	T	37.8	28.1	36.9	24.4	31.8	32.7	33.3	33.0	30.6	32.0
146	M	60.9	54.8	54.8	45.5	60.4	55.9	57.3	65.9	51.5	56.7
	F	66.1	60.2	61.8	68.4	54.1	63.5	65.7	64.5	58.3	62.0
	T	63.8	57.8	58.4	63.2	57.5	60.1	62.2	65.1	54.9	59.8
147	M	45.7	38.4	58.1	36.4	34.8	45.7	40.0	41.7	44.2	42.5
	F	33.8	32.2	50.0	26.3	39.2	34.0	31.4	37.7	33.3	34.2
	T	39.1	35.0	53.8	28.5	36.8	39.2	34.9	39.4	38.7	38.0
148	M	21.9	29.2	19.4	36.4	30.2	23.9	29.3	24.1	25.4	25.9
	F	20.7	34.7	32.4	15.8	17.6	35.0	27.7	30.7	30.9	30.0
	T	21.2	32.2	26.1	20.4	24.3	30.0	28.4	27.9	28.2	28.2
150	M	40.0	25.1	16.1	18.2	24.4	31.1	29.3	31.8	27.2	29.0
	F	33.0	40.1	23.5	26.3	36.5	37.8	31.6	46.4	29.1	36.4
	T	36.1	33.4	20.0	24.4	30.0	34.8	33.3	40.3	28.2	33.1
151	M	36.1	29.2	32.3	36.4	25.5	33.7	30.6	34.0	30.9	31.7
	F	28.4	32.6	52.9	21.1	31.1	35.0	35.1	40.1	26.1	33.0
	T	31.9	31.1	43.0	24.4	28.1	34.4	33.3	37.6	28.5	32.4
153	M	5.7	3.0	3.2	9.1	3.4	3.8	2.6	4.3	4.2	3.9
	F	5.3	5.0	8.8	7.9	1.4	6.1	5.5	3.9	6.5	5.4
	T	5.5	4.1	6.1	8.1	2.5	5.1	4.3	4.1	5.4	4.7
154	M	33.3	24.6	35.5	45.5	32.5	26.0	36.0	27.4	25.4	28.3
	F	33.8	21.3	32.3	29.0	23.0	26.8	29.6	29.1	22.0	26.3
	T	33.6	22.8	33.8	32.6	28.1	26.4	32.2	28.4	23.7	27.2
155	M	74.2	77.4	67.7	45.5	77.9	76.0	78.6	75.8	73.9	75.5
	F	72.3	76.5	79.4	68.4	66.2	78.6	77.7	78.7	71.4	75.4
	T	73.1	76.9	73.8	63.2	72.5	77.5	78.1	77.5	72.6	75.4

		<u>Address</u>			<u>Age of Loss of Vision</u>			<u>Amount of Vision</u>			
		Sub-			To	21-49	50+	5-6			
		Urban	urban	Rural	20 yrs.	yrs.	yrs.	0-1-2	3-4	7-8	Total
156	M	23.8	33.8	19.4	27.3	34.8	27.3	37.3	28.5	26.0	29.3
	F	41.5	38.0	44.1	34.2	27.0	43.6	37.9	40.9	39.8	39.7
	T	33.6	36.1	32.3	32.6	31.2	36.3	37.7	35.7	33.0	35.0
157	M	80.9	73.8	90.3	81.8	75.5	78.2	81.3	73.6	78.1	77.6
	F	76.9	72.3	85.3	63.2	66.2	78.6	71.2	77.1	75.5	74.9
	T	78.7	73.0	87.6	67.3	71.2	78.4	75.4	75.6	76.8	76.1
160	M	59.0	56.4	51.6	27.3	45.3	62.3	37.3	59.3	64.2	56.7
	F	53.0	48.9	64.7	42.1	46.0	54.2	39.8	58.2	54.1	51.6
	T	55.7	52.3	58.4	38.7	45.6	57.9	38.7	58.7	59.1	53.9
162	M	73.3	72.3	74.2	45.5	61.6	78.2	68.0	69.2	76.9	72.8
	F	70.0	76.1	76.5	63.2	60.8	78.6	66.6	78.7	75.5	74.1
	T	71.4	74.4	75.3	59.1	61.8	78.4	67.2	74.7	76.2	73.5
164	M	61.9	48.7	48.4	36.4	59.3	51.2	52.0	59.3	49.6	52.8
	F	50.7	46.4	41.2	44.7	44.6	48.4	43.5	54.3	44.6	47.3
	T	55.7	47.4	44.6	42.8	52.5	49.7	46.9	56.4	47.1	49.8
168	M	32.3	21.5	25.8	9.1	19.7	28.2	16.0	30.7	26.6	25.3
	F	24.6	22.1	20.6	18.4	20.3	24.0	19.4	25.1	23.2	22.8
	T	28.0	21.8	23.0	16.3	20.0	25.9	18.0	27.5	24.9	23.9
170	M	34.2	35.8	41.9	36.4	41.8	33.7	52.0	41.7	25.4	35.9
	F	56.1	61.0	67.7	36.8	58.1	63.1	59.2	68.5	54.1	60.0
	T	46.3	49.7	55.3	36.7	49.3	50.2	56.2	57.3	39.9	49.1
171	M	36.1	30.2	38.7	36.4	30.2	33.7	40.0	36.2	27.8	32.9
	F	43.8	61.9	47.1	29.0	46.0	60.4	57.4	62.9	47.0	54.8
	T	40.4	47.6	43.0	30.6	37.5	48.5	50.2	51.8	37.5	44.9
172	M	11.4	8.7	16.1	9.1	10.4	10.2	13.3	14.2	6.6	10.2
	F	11.5	7.9	5.9	5.3	10.8	8.9	7.4	14.1	5.9	8.9
	T	11.4	8.2	10.7	6.1	10.6	9.5	9.8	14.2	6.3	9.5
173	M	37.1	26.6	41.9	27.3	27.9	32.9	25.3	34.0	32.7	31.4
	F	23.0	32.2	50.0	31.6	29.7	30.9	29.6	29.2	32.1	30.7
	T	29.3	29.7	46.1	30.6	28.7	31.8	27.8	31.6	32.4	31.0

APPENDIX II (c)

8.

		<u>Address</u>			<u>Age of Loss of Vision</u>			<u>Amount of Vision</u>			
		Sub-			To	21-49	50+		5-6		
		Urban	urban	Rural	20 yrs.	yrs.	yrs.	0-1-2	3-4	7-8	Total
176	M	37.1	22.0	29.0	9.1	17.4	32.0	21.3	29.6	29.0	27.4
	F	29.2	28.0	23.5	21.1	16.2	31.9	27.7	28.3	27.9	28.0
	T	32.7	25.3	26.1	18.3	16.8	32.0	25.1	28.8	28.5	27.7

APPENDIX III

GERIATRIC BLIND PROJECT

NUMBERS FOR VARIOUS GROUPINGS

<u>Age Groups</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
60-64	74	84	158
65-69	72	73	145
70-74	66	73	139
75-79	45	64	109
80-84	41	43	84
85-89	25	42	67
90 +	8	24	32
Urban	105	130	235
Suburban	195	239	434
Rural	31	34	65
Total	331	403	734

Amount of Vision

0-1-2	75	108	183
3 - 4	91	127	218
5 - 8	165	168	333
Total	331	403	734

Age of Loss

To age 20	11	38	49
21 - 49	86	74	160
50 +	234	291	525
Total	331	403	734

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HF GROUP - IN

